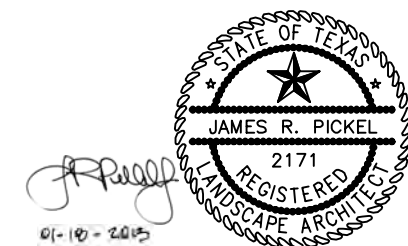
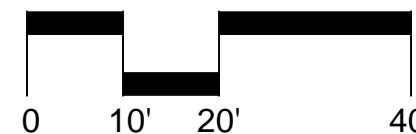
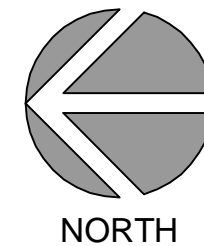


NOTES

1. LOCATE TREE WELLS AS SHOWN ON CIVIL PLANS.
2. LOCATE SITE FURNISHINGS AS SHOWN BY STATION POINTS AND SPACING SHOWN. SEE ILLUMINATION PLANS FOR LIGHTING LAYOUT.
3. SEE PLANTING PLAN SHEETS FOR TREE SPACING.
4. COORDINATE PLACEMENT OF DRAINLINES TO ENSURE REQUIRED SEPARATION FROM LIGHTING AND SIGNAL FOOTINGS.

LEGEND

	STORMWATER PLANTER		PEDESTRIAN LIGHT (SEE ILLUMINATION PLAN)		PERFORATED DRAIN PIPE
	SPEC'L CONC. PAVING #1 and #2 (SEE SPECS.)		BOLLARD LIGHT (SEE ILLUMINATION PLAN)		SOLID DRAIN PIPE
	SPECIAL CONCRETE PAVING #3 (SEE SPECS.)		EXISTING TREE TO REMAIN		CLEANOUT
	SPECIAL CONCRETE PAVING #4 (SEE SPECS.)		NEW TREE		LANDSCAPE LIMIT OF WORK
	SPECIAL CONCRETE PAVING #5 (SEE SPECS.)		PLANTING AREA		MATCH LINE - SHEET
	GRAVEL SWALE		EXISTING TREE TO BE REMOVED OR SALVAGED (SEE TREE PROT. PLAN)		MATCH LINE - STA POINT
	TREE WELLS				PROPOSED RIGHT OF WAY



1	Addendum #2	AM	JP	1/18/2013
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL 210.377.3784 FAX 210.377.0622 WWW.URSCORP.COM (FIRM # 3162)				
MIG MOORE IACOFANO GOLTSMAN, INC. 400 HEARST AVENUE BERKELEY, CA 94710 TEL 510.845.7549 FAX 510.845.8750 www.migcom.com				
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD				
LANDSCAPE SITE PLAN				
STA. 36+00 - CESAR CHAVEZ BLVD. SHEET 721 OF 1070				
100% SUBMITTAL	PROJECT NO.: 01858.00-MIG	DATE: 1/02/2013		
DRWN. BY: XX	DSGN. BY: MM/AM	CHKD. BY: JP	SHEET NO.: 721	

DATE: 1/17/2013 7:44:55 AM

FILE: G:\MIG PROJECTS\3000\1868 SAN ANTONIO MARKET STREET\03 DESIGN\CONSTRUCTION DOCS\100%_12-1227\Z-SHEETFILES\626 IRRIGATION LEGEND.BWG

CHK: URS

DWG: URS

CHK: URS

END: BWG

IRRIGATION EQUIPMENT LEGEND

	MATCO	503 SERIES	MAINLINE ISOLATION GATE VALVES (3-INCH AND SMALLER)		MAIN LINE SIZE. REFER TO PLANS FOR APPROXIMATE LOCATIONS NOTE: VALVES SHOWN IN PAVED AREAS FOR GRAPHICAL CLARITY ONLY. PLACE VALVES WITHIN ADJACENT PLANTING AREAS..		2/ SHT. 752	SYMBOL	MFG'R	MODEL NO.	DESCRIPTION	REMARKS	DETAIL	
	WEATHERMATIC	11000-XPR-NP SERIES	REMOTE CONTROL VALVE		SIZE PER PLAN. INSTALL WITH CROSS PURPLE FLOW HANDLE		3/ SHT. 751 3/ SHT. 752 6/ SHT. 752		N/A	N/A				WATER METER
	WEATHERMATIC	11000-XPR-NP SERIES	REMOTE CONTROL VALVE SUBSURFACE DRIP ASSEMBLY		SIZE AS PER PLAN. INSTALL WITH PURPLE CROSS FLOW HANDLE. IN-LINE PRESSURE REGULATOR, SET AT 40 PSI AND PLASTIC FILTER IMMEDIATELY DOWNSTREAM OF VALVE PRIOR TO ANY EMISSION DEVICE.		3/ SHT.751 3/ SHT. 754 4/ SHT. 752 6/ SHT. 752		WILKENS	975XL-P-S	REDUCED PRESSURE BACKFLOW PREVENTION DEVICE	1-INCH SIZE. INSTALL INSIDE INSULATED BACKFLOW ENCLOSURE. REFER TO SPECS.	1/ SHT. 757	
	RAIN BIRD	5-NP	BRASS SINGLE-PIECE QUICK COUPLING VALVE		1-INCH SIZE WITH PURPLE VINYL LOCKING COVER. PLACE IN VALVE BOX WITH LOCKING BOLT-DOWN LID. REFER TO SPECS. PROVIDE W/ TWO (2) 2049 LOCKING COVER KEYS, TWO (2) SH-2 HOSE SWIVELS, TWO (2) 44-K BRASS QC KEYS. NOTE: VALVES SHOWN IN PAVED AREAS FOR GRAPHICAL CLARITY ONLY. PLACE VALVES WITHIN ADJACENT PLANTING AREAS.		5/ SHT. 752		BARRETT ENGINEERED PUMP No. 1	IBGA5-1-2-1.5/VFD/ NHMO15/ATT/EAL	PREFABRICATED IRRIGATION BOOSTER PUMP ASSEMBLY AT POC #1	PUMP DESIGN FLOW RATE: 32 GPM. PUMP SYSTEM DESIGN PRESSURE: 80 PSI. PUMP ASSEMBLY SHALL INCLUDE: ELECTRIC VARIABLE DRIVE MOTOR, EXTERNAL ALARM LIGHT, HYDROMETER COMBINATION MASTER VALVE/FLOW SENSOR AND FERTILIZER INJECTOR UNIT. PUMP ENCLOSURE SHALL BE PROVIDED WITH SOUND ATTENUATION FOAM.	2/ SHT. 757	
	PW PIPE	N/A	WIRE CONDUIT		INSTALL IN LOCATIONS NOTED ON PLAN. REFER TO WIRE CONDUIT/ SLEEVE SIZING CHART, THIS SHEET, FOR MAXIMUM NUMBER OF WIRES ALLOWED TO BE INSTALLED IN SLEEVE OR CONDUIT.		1/ SHT. 753 2/ SHT. 753		BARRETT ENGINEERED PUMP NO. 2	IBGA5-1.5-2-1.5/VFD/ NHMO15/ATT/EAL	PREFABRICATED IRRIGATION BOOSTER PUMP ASSEMBLY AT POC #2	PUMP DESIGN FLOW RATE: 24 GPM. PUMP SYSTEM DESIGN PRESSURE: 80 PSI. PUMP ASSEMBLY SHALL INCLUDE: ELECTRIC VARIABLE DRIVE MOTOR, EXTERNAL ALARM LIGHT, HYDROMETER COMBINATION MASTER VALVE/FLOW SENSOR AND FERTILIZER INJECTOR UNIT. PUMP ENCLOSURE SHALL BE PROVIDED WITH SOUND ATTENUATION FOAM.	1-4/ SHT. 756	
	PW PIPE	N/A	PRESSURE MAINLINE PIPE		SIZE AS PER PLAN (2-INCH MIN.). PURPLE IN COLOR. INSTALL W/ COPPER TRACE WIRE, TAPED TO MAINLINE AT 10-FOOT INTERVALS, ALONG ALL MAINLINE. NOTE: MAINLINE SHOWN IN PAVED AREAS FOR GRAPHICAL CLARITY ONLY. PLACE MAINLINE WITHIN ADJACENT PLANTING AREAS EXCEPT WHERE PIPES CROSS PAVING AREAS AND WHERE SLEEVES ARE PROVIDED.				LANDSCAPE INJECTOR SYSTEMS	FB1-5-53/F-200C	LANDSCAPE INJECTOR SYSTEM ASSEMBLY AT POC #1	LANDSCAPE INJECTOR SYSTEM SHALL INCLUDE FLOW SENSORS, METERING PUMPS AND STORAGE TANKS. REFER TO SPECS.		
	PW PIPE	N/A	NON-PRESSURE LATERAL PIPE		SIZE PER PLAN; PURPLE IN COLOR. CLASS 200 PVC PIPE.				CONTROLLER SCHEDULE					
	PW PIPE	N/A	IRRIGATION PIPE / CONTROL WIRE SLEEVE		TYPE AND QUANTITY AS REQUIRED. REFER TO PIPE/WIRE SLEEVING CHART FOR SIZE (THIS SHEET).				1/ SHT. 753	SYMBOL	MFG'R	MODEL NO.		DESCRIPTION

SYMBOL	MFG'R	MODEL NO.	OP. PSI	RADIUS	FLOW (IN GPM)	DETAIL
	(OR EQUAL)					
	HUNTER	RZWS-36-25-CV-R	30	N/A	0.25 GPM EACH. INSTALL TWO (2) SYSTEMS PER TREE. INSTALL WITH RZWS-SLEEVE WHEN INSTALLED IN STORMWATER PLANTER AREAS	2/ SHT. 754

SYMBOL	MFG'R	MODEL NO.	DESCRIPTION	REMARKS				DETAIL
	(OR EQUAL)							
	NETAFIM	TLAVRV	AIR/VACUUM RELIEF VALVE	3/4-INCH SIZE, MPT; FIELD LOCATE AT HIGHEST POINT IN EACH HYDROZONE AS SHOWN ON PLAN AND AS PER MFG'R RECOMMENDATIONS.				3/ SHT. 754
	NETAFIM	TLSOV	MANUAL FLUSH COUPLING AND CAP	LOCATE PER PLAN. ATTACH 3-FEET OF BLANK TUBING AND COIL WITHIN VALVE BOX AS PER DETAIL.				3/ SHT. 753
	KISSS AMERICA		SUBSURFACE IRRIGATION DRIP LINE WITH PURPLE IDENTIFIER, PRESSURE COMPENSATING NONLEAKING INLINE EMITTERS, DISPERSION TAPE AND CAPILLARY FIBAR WRAP. USE SFW-WHITE IN STORMWATER PLANTERS AND SFW-RED IN ALL OTHER PLANTING AREAS.	OPERATING PSI	EMITTER FLOW	MAX ALLOWED HORIZONTAL SPACING	BURIAL DEPTH	4/ SHT. 753 5/ SHT. 753 1/ SHT. 754 4/ SHT. 754
		30		0.631 GPH	20-INCHES	6-INCHES		
		30		0.302 GPH	20-INCHES	6-INCHES		

PIPE/WIRE SLEEVE CHART
(FOR REFERENCE ONLY)

SCHEDULE 40 PVC SLEEVE SIZE	IRRIGATION PIPE / WIRING CONDUIT
1.25"	N/A
1.5"	0.5"
2"	0.75"
2.5"	1"
3"	1.25"
4"	1.25" - 2"
6"	2.5" - 3"
8"	4"
12"	6"

WIRE/CONDUIT SLEEVE SIZING CHART
(FOR REFERENCE ONLY)

WIRE SIZE	CONDUIT / SLEEVE SIZE						
	1.25"	1.5"	2"	2.5"	3"	4"	6"
14	18	25	40	56	88	120	120
12	15	20	33	50	75	102	102
10	13	16	27	40	63	85	85

PIPE SIZING CHART
(FOR REFERENCE ONLY)
CLASS 200 IPS U.S. PVC PLASTIC PIPE

SIZE	GALLONS PER MINIUUM (GPM)
0.75"	1-10
1"	10-16
1.25"	16-26
1.5"	26-36
2"	36-55
2.5"	55-80
3"	80-120

GENERAL LEGEND

SLEEVING: INSTALL IN LOCATIONS AS SHOWN ON PLAN. REFER TO PIPE/WIRE SLEEVING CHART ON THIS SHEET FOR SIZE AND TYPE.

EXISTING TREE

PIPE SIZING CALLOUT

LIMIT OF WORK

VALVE CALL OUT

STATION NUMBER

CONTROLLER NUMBER

GALLONS PER MINUTE

VALVE SIZE

SUB - SUBSURFACE DRIP IRRIGATION
RWT - ROOT WATERING TREE BUBBLER

STATE OF TEXAS

JAMES R. PICKEL

01-10217015

LANDSCAPE ARCHITECT

				/ /
				/ /
1	Addendum #2	JUL	JP	1/18/2013
NO	REVISION	DRAWN	APPROVED	DATE

URS

9901 IH10 WEST, SUITE 350
SAN ANTONIO, TEXAS 78230
TEL:210.377.3764 FAX:210.377.0622 WWW.URSCORP.COM

MIG

MOORE IACOFANO GOLTSMAN, INC.
800 HEARST AVENUE
BERKELEY, CA 94710
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www.mlgom.com

CITY OF SAN ANTONIO

CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT

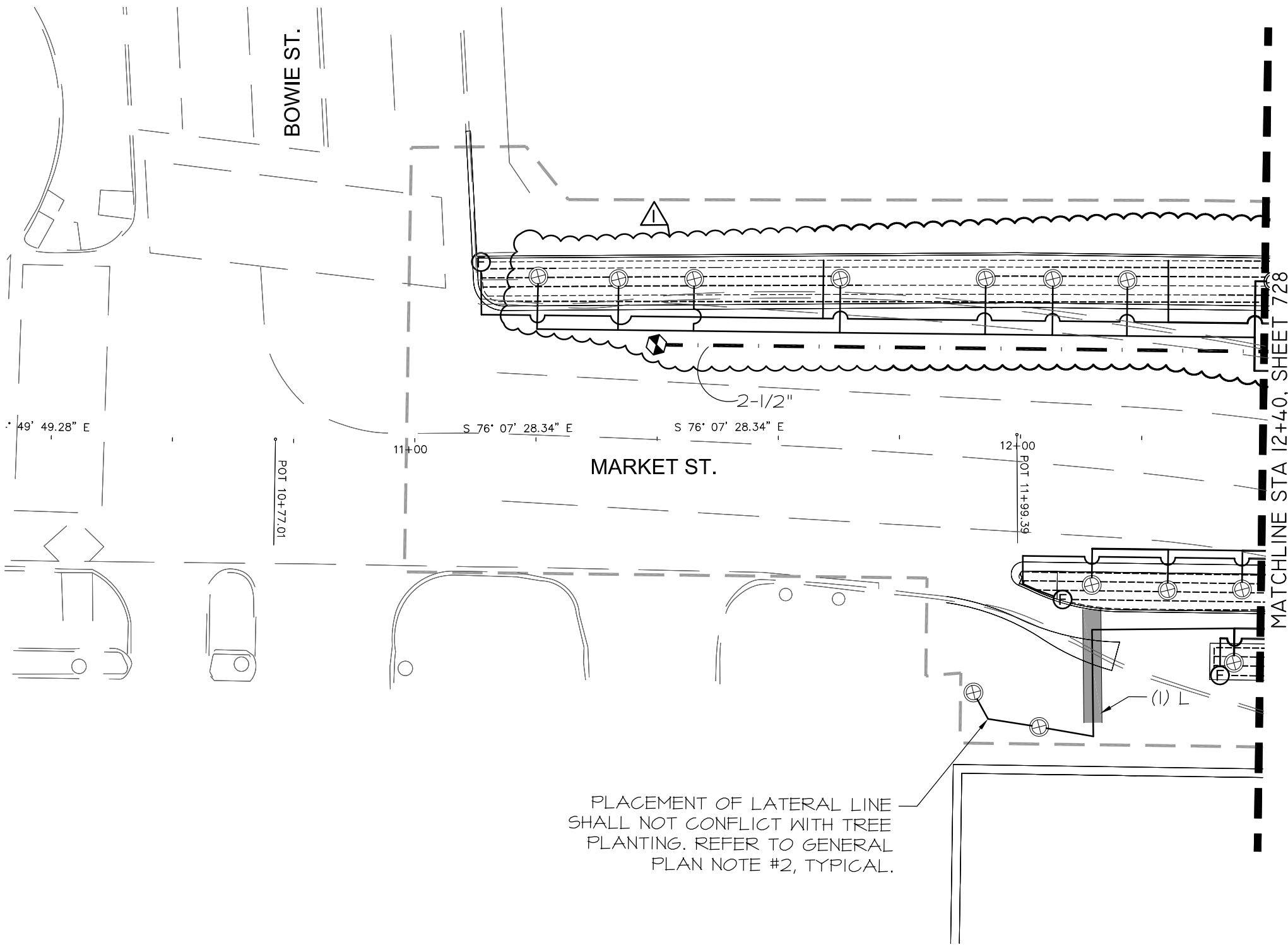
MARKET STREET REALIGNMENT

IRRIGATION LEGEND

SHEET 726 OF 1070

100% SUBMITTAL	PROJECT NO.:	01858,00-MIG	DATE:	1/02/2013
DRWN, BY: JLL	DSGN, BY: JLL	CHKD, BY: JP	SHEET NO.: 726	

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GENERAL LEGEND

SLEEVING: INSTALL IN LOCATIONS AS SHOWN ON PLAN. REFER TO PIPE/WIRE SLEEVING CHART ON SHEET 726 FOR SIZE AND TYPE.

(#) M = MAINLINE SLEEVE QUANTITY
(#) L = LATERAL SLEEVE QUANTITY
(#) W = WIRING CONDUIT QUANTITY

VALVE CALL OUT

STATION NUMBER →

CONTROLLER NUMBER →

GALLONS PER MINUTE →

VALVE SIZE →

X-#
GPM
X"

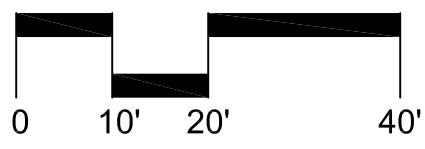
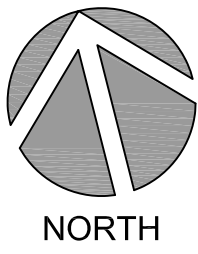
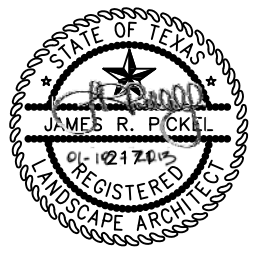
DRP - DRIP IRRIGATION
RWT - ROOT WATERING TREE BUBBLER

EXISTING TREE


PIPE SIZING CALLOUT


LIMIT OF WORK


- GENERAL NOTES**
1. ALL MAINLINE AND LATERAL PIPES, VALVES, ETC., AND OTHER IRRIGATION APPURTENANCES SHOWN IN PAVED AREAS IS FOR GRAPHICAL CLARITY ONLY. CONTRACTOR TO PLACE MAINLINE AND LATERAL PIPES, VALVES, ETC. AND ALL APPURTENANCES WITHIN ADJACENT PLANTING AREAS.
 2. CONTRACTOR SHALL ROUTE ALL IRRIGATION MAINLINE AND LATERAL PIPE AND SLEEVES AROUND ALL SERVICE LINES, NEW AND EXISTING TREES, UTILITIES, STORM DRAINAGE FACILITIES, ETC. IN ORDER TO AVOID ANY CONFLICTS. INSTALL IRRIGATION PIPE BELOW STORM DRAINAGE PIPES WHERE REQUIRED.



1	Addendum #2		JUL	JP	1/18/2013
NO	REVISION		DRAWN	APPROVED	DATE

	9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL:210,377,3764 FAX:210,377,0622 WWW.URSCORP.COM	(FIRM # 3162)
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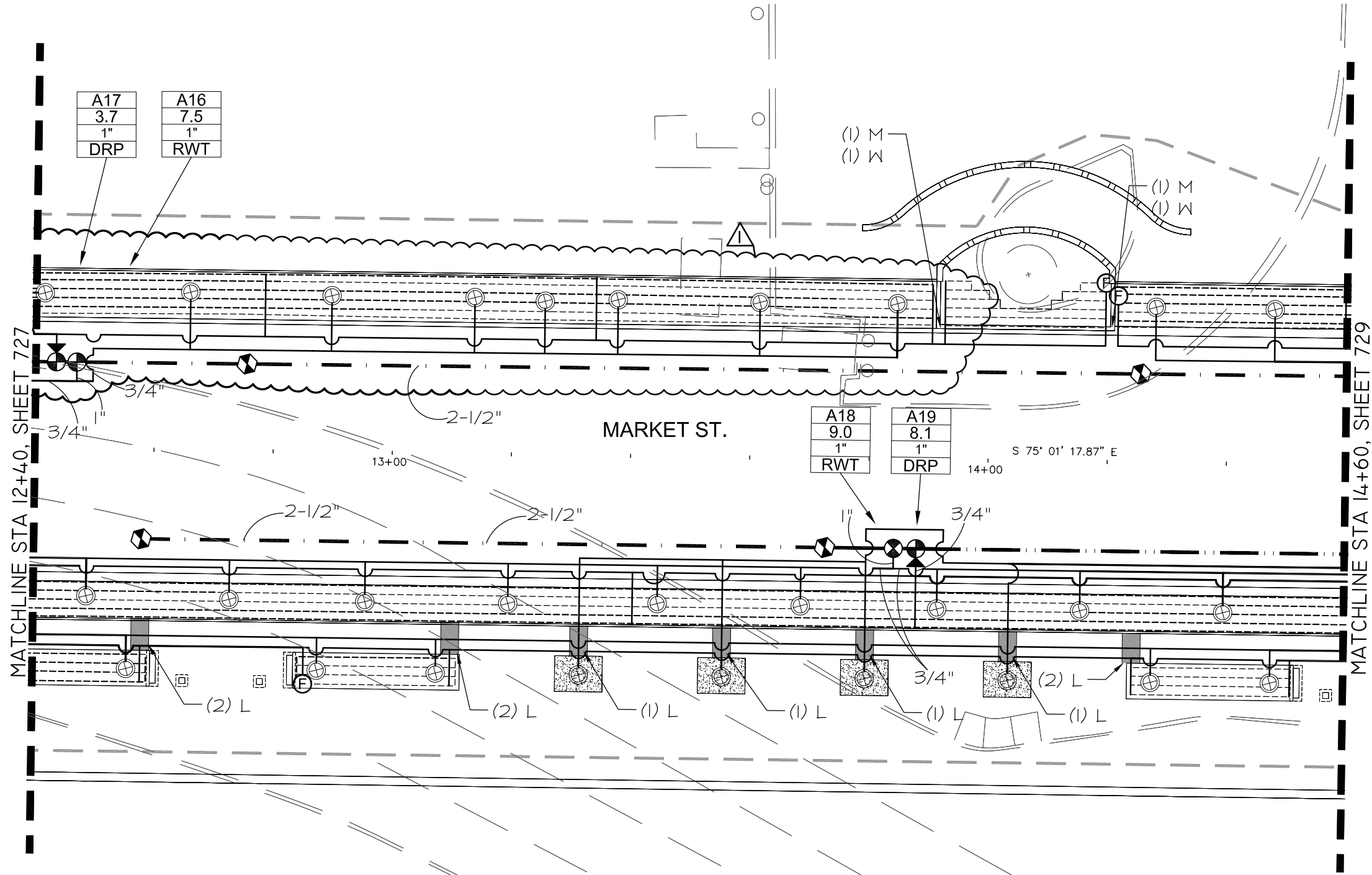
	MOORE IACOFANO GOLTSMAN, INC. 800 HEARST AVENUE BERKELEY, CA 94710 TEL 510/845-7549 FAX 510/845-0750 www.migcom.com
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	CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT
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MARKET STREET REALIGNMENT		
MARKET STREET		
IRRIGATION PLAN		
BEGINNING TO STA.12+40		
SHEET 727 OF 1070		

100% SUBMITTAL	PROJECT NO.: 01858,00-MIG	DATE: 1/02/2013
DRWN, BY: JUL	DSGN, BY: JUL	CHKD, BY: JP
		SHEET NO.: 727

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DW: URS CK: URS



GENERAL LEGEND

SLEEVING: INSTALL IN LOCATIONS AS SHOWN ON PLAN. REFER TO PIPE/WIRE SLEEVING CHART ON SHEET 726 FOR SIZE AND TYPE.

(#) M = MAINLINE SLEEVE QUANTITY
(#) L = LATERAL SLEEVE QUANTITY
(#) W = WIRING CONDUIT QUANTITY

VALVE CALL OUT

STATION NUMBER →

CONTROLLER NUMBER → X-#

GALLONS PER MINUTE → GPM

VALVE SIZE → X"

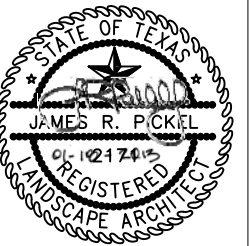
DRP - DRIP IRRIGATION
RWT - ROOT WATERING TREE BUBBLER

EXISTING TREE

PIPE SIZING CALLOUT

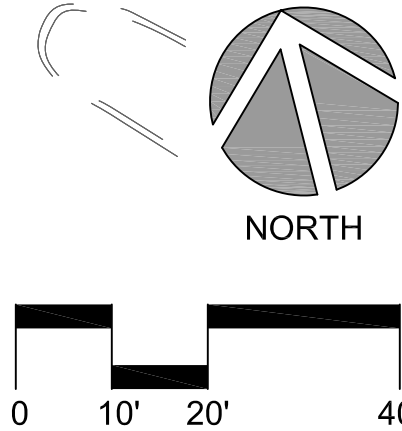
LIMIT OF WORK

- GENERAL NOTES**
- ALL MAINLINE AND LATERAL PIPES, VALVES, ETC., AND OTHER IRRIGATION APPURTENANCES SHOWN IN PAVED AREAS IS FOR GRAPHICAL CLARITY ONLY. CONTRACTOR TO PLACE MAINLINE AND LATERAL PIPES, VALVES, ETC. AND ALL APPURTENANCES WITHIN ADJACENT PLANTING AREAS.
 - CONTRACTOR SHALL ROUTE ALL IRRIGATION MAINLINE AND LATERAL PIPE AND SLEEVES AROUND ALL SERVICE LINES, NEW AND EXISTING TREES, UTILITIES, STORM DRAINAGE FACILITIES, ETC. IN ORDER TO AVOID ANY CONFLICTS. INSTALL IRRIGATION PIPE BELOW STORM DRAINAGE PIPES WHERE REQUIRED.

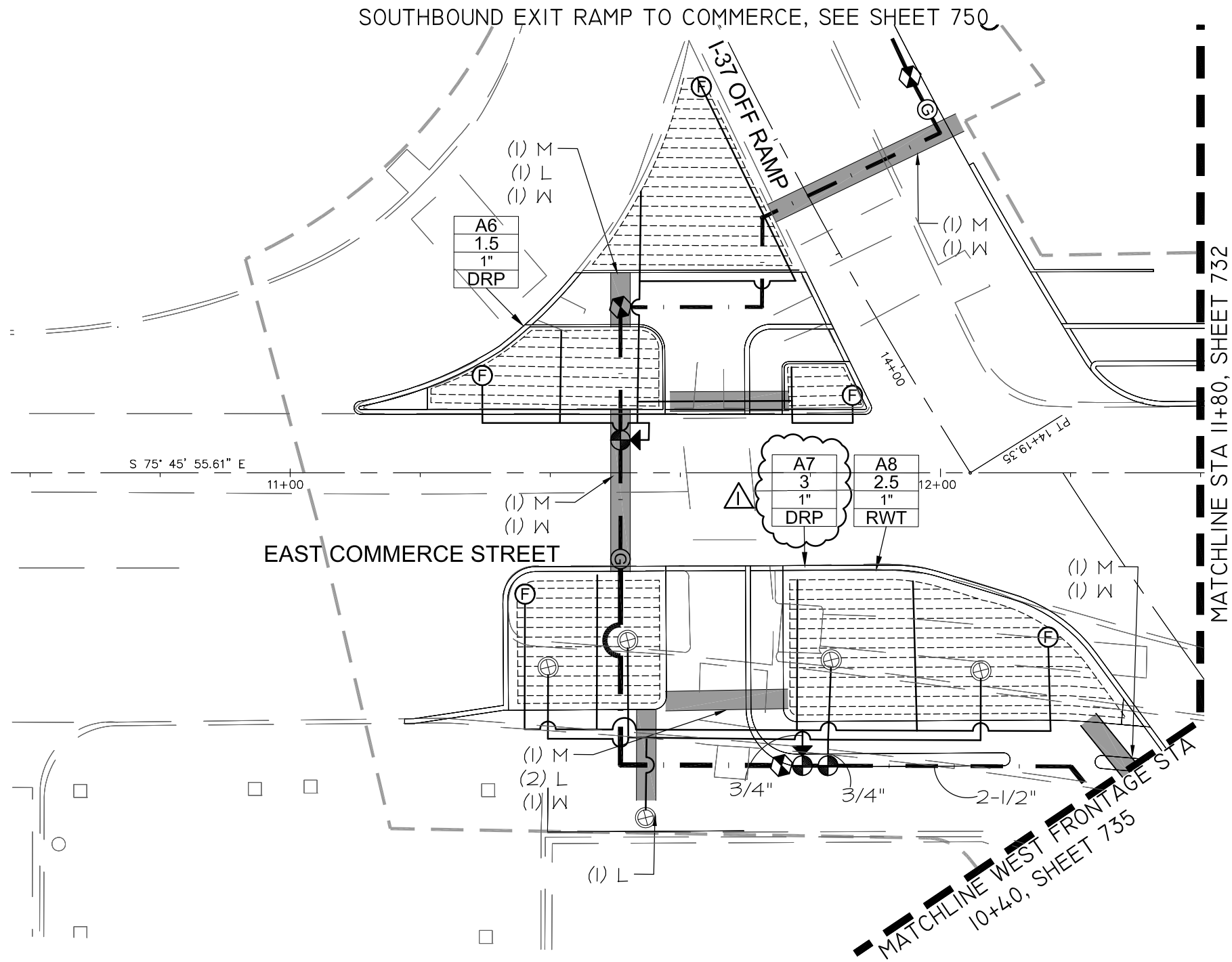


1	Addendum #2	JUL	JP	1/18/2013
NO	REVISION	DRAWN	APPROVED	DATE

URS	9901 H10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM	(FIRM # 3162)
MIG	MOORE IACOFANO GOLTSMAN, INC. 800 HEARST AVENUE BERKELEY, CA 94710 TEL: 510.845-7549 FAX: 510.845-8750 www.migcor.com	
	CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT	
MARKET STREET REALIGNMENT MARKET STREET IRRIGATION PLAN		
STA. 12+40-14+60 SHEET 728 OF 1070		
100% SUBMITTAL	PROJECT NO.: 01858,00-MIG	DATE: 1/02/2013
DRWN. BY: JLL	DSGN. BY: JLL	CHKD. BY: JP
SHEET NO.: 728		



DATE: 1/17/2013 8:30:14 AM
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GENERAL LEGEND

SLEEVE: INSTALL IN LOCATIONS AS SHOWN ON PLAN. REFER TO PIPE/WIRE SLEEVE CHART ON SHEET 726 FOR SIZE AND TYPE.

(#) M = MAINLINE SLEEVE QUANTITY
(#) L = LATERAL SLEEVE QUANTITY
(#) W = WIRING CONDUIT QUANTITY

VALVE CALL OUT

STATION NUMBER
CONTROLLER NUMBER
GALLONS PER MINUTE
VALVE SIZE

X-#
GPM
X"

DRP - DRIP IRRIGATION
RWT - ROOT WATERING TREE BUBBLER

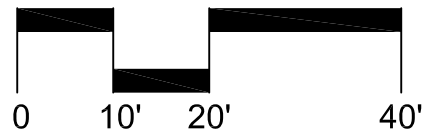
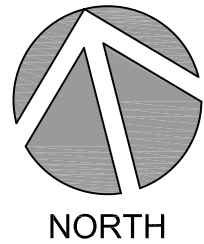
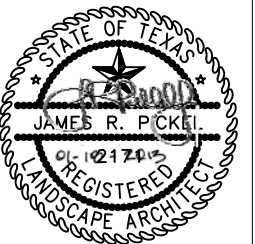
EXISTING TREE

PIPE SIZING CALLOUT

LIMIT OF WORK

GENERAL NOTES

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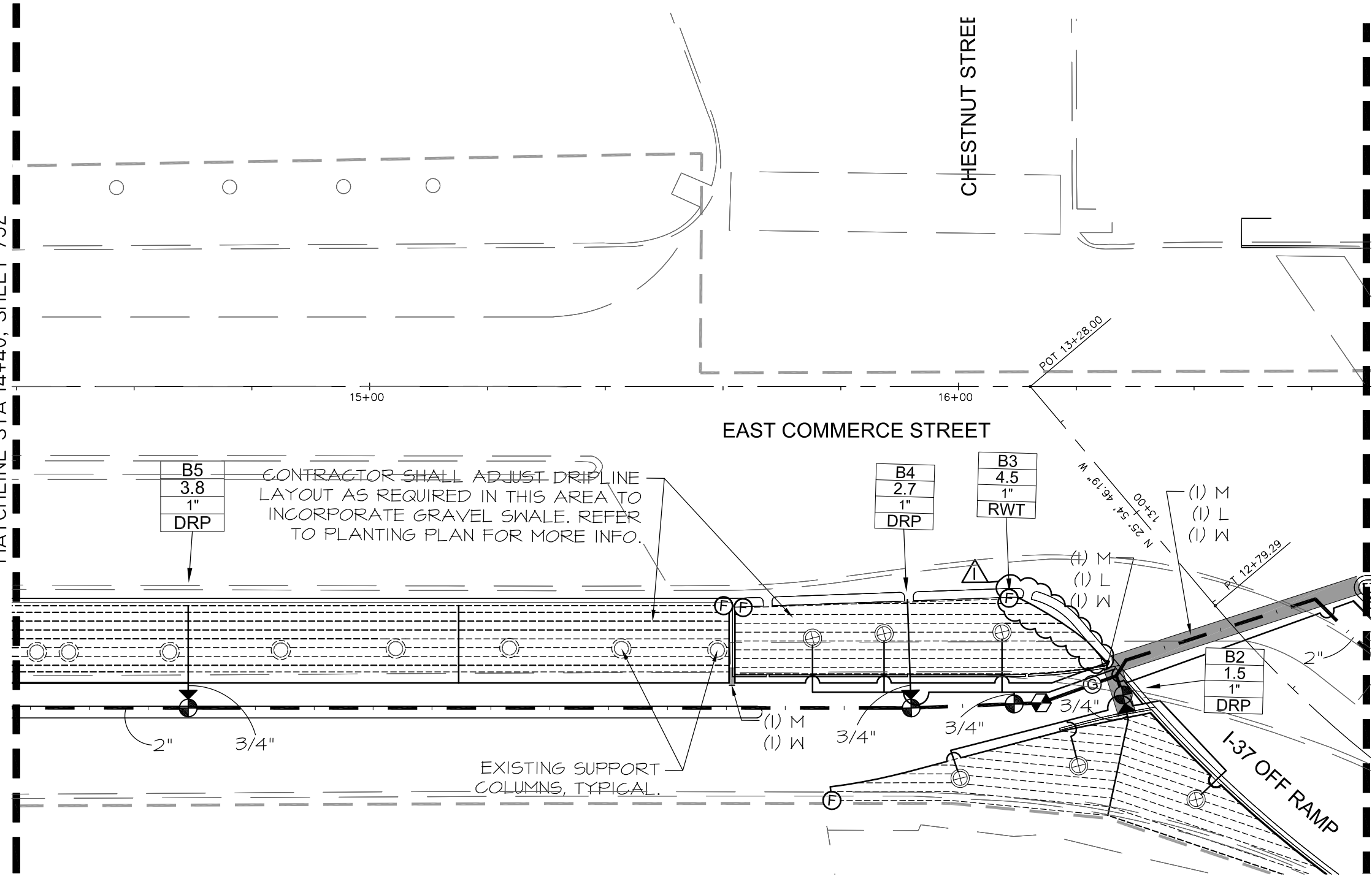


1	Addendum #2	JUL	JP	1/18/2013	
NO	REVISION	DRAWN	APPROVED	DATE	
<div><div>URS</div><div>9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL:210.377.3764 FAX:210.377.0622 WWW.URSCORP.COM</div></div> <div><div>MIG</div><div>MOORE IACOFANO GOLTSMAN, INC. 800 HEARST AVENUE BERKELEY, CA 94710 TEL 510/845-7549 FAX 510/845-8750 www.migcom.com</div></div> <div><div>CITY OF SAN ANTONIO</div><div>CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT</div></div> <div>MARKET STREET REALIGNMENT COMMERCE STREET IRRIGATION PLAN</div> <div>BEGINNING OF PROJECT - 11+80</div> <div>100% SUBMITTAL DRWN. BY: JUL</div> <div>PROJECT NO.: DSGN. BY: JUL</div> <div>01858.00-MIG CHKD. BY: JP</div> <div>DATE: 1/02/2013 SHEET NO: 731</div>					
SHEET 731 OF 1070					

DATE: 1/17/2013 8:30:51 AM
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MATCHLINE STA 14+40, SHEET 732

MATCHLINE STA 16+70, SHEET 734



GENERAL LEGEND

SLEEVING: INSTALL IN LOCATIONS AS SHOWN ON PLAN. REFER TO PIPE/WIRE SLEEVING CHART ON SHEET 726 FOR SIZE AND TYPE.

(#) M = MAINLINE SLEEVE QUANTITY
(#) L = LATERAL SLEEVE QUANTITY
(#) W = WIRING CONDUIT QUANTITY

VALVE CALL OUT

STATION NUMBER →

CONTROLLER NUMBER → X-#

GALLONS PER MINUTE → GPM

VALVE SIZE → X"

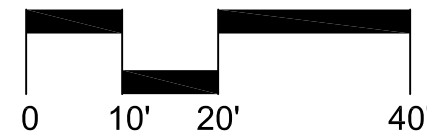
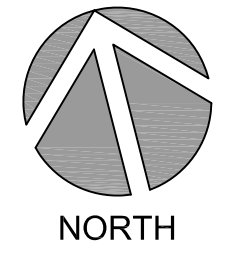
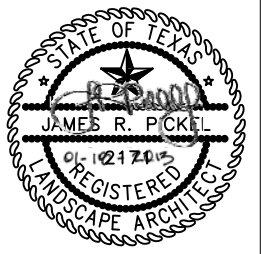
DRP - DRIP IRRIGATION
RWT - ROOT WATERING TREE BUBBLER

EXISTING TREE

PIPE SIZING CALLOUT

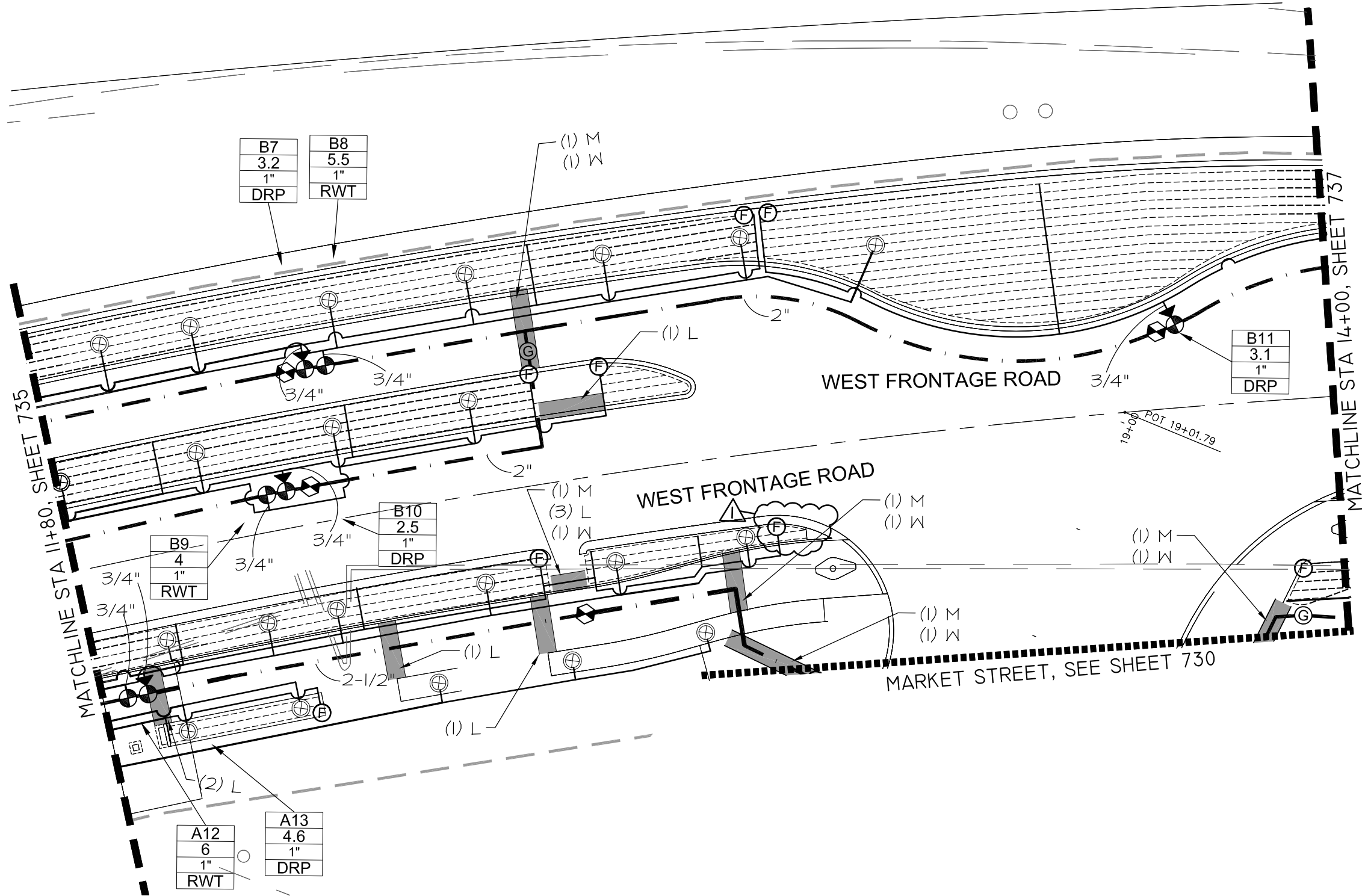
LIMIT OF WORK

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1	Addendum #2	JUL	JP	1/18 /2013	
NO	REVISION	DRAWN	APPROVED	DATE	
<div><div>URS</div><div>9901 RHINO WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL:210.377.3764 FAX:210.377.0622 WWW.URSCORP.COM</div></div> <div><div>MIG</div><div>MOORE IACOFANO GOLTSMAN, INC. 800 HEARST AVENUE BERKELEY, CA 94710 TEL 510/845-7549 FAX 510/845-8750 www.migcom.com</div></div> <div><div>CITY OF SAN ANTONIO</div><div>CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT</div></div> <div>MARKET STREET REALIGNMENT COMMERCE STREET IRRIGATION PLAN</div> <div>STA. 14+40 -16+70</div> <div>SHEET 733 OF 1070</div>					
100% SUBMITTAL	PROJECT NO.:	01858,00-MIG	DATE:	1/02/2013	
DRWN. BY: JIL	DSGN. BY: JIL	CHKD. BY: JP	SHEET NO.:	733	

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GENERAL LEGEND

SLEEVING: INSTALL IN LOCATIONS AS SHOWN ON PLAN. REFER TO PIPE/WIRE SLEEVING CHART ON SHEET 726 FOR SIZE AND TYPE.

(#) M = MAINLINE SLEEVE QUANTITY
(#) L = LATERAL SLEEVE QUANTITY
(#) W = WIRING CONDUIT QUANTITY

VALVE CALL OUT

STATION NUMBER →

CONTROLLER NUMBER → X-#

GALLONS PER MINUTE → GPM

VALVE SIZE → X"

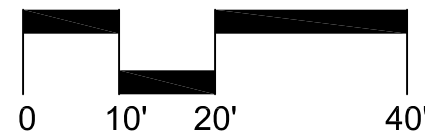
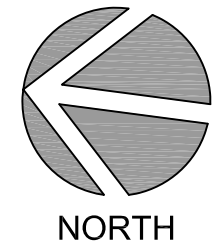
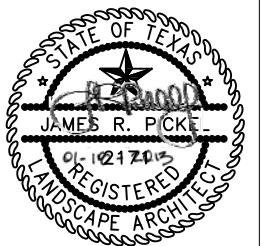
DRP - DRIP IRRIGATION
RWT - ROOT WATERING TREE BUBBLER

EXISTING TREE

PIPE SIZING CALLOUT

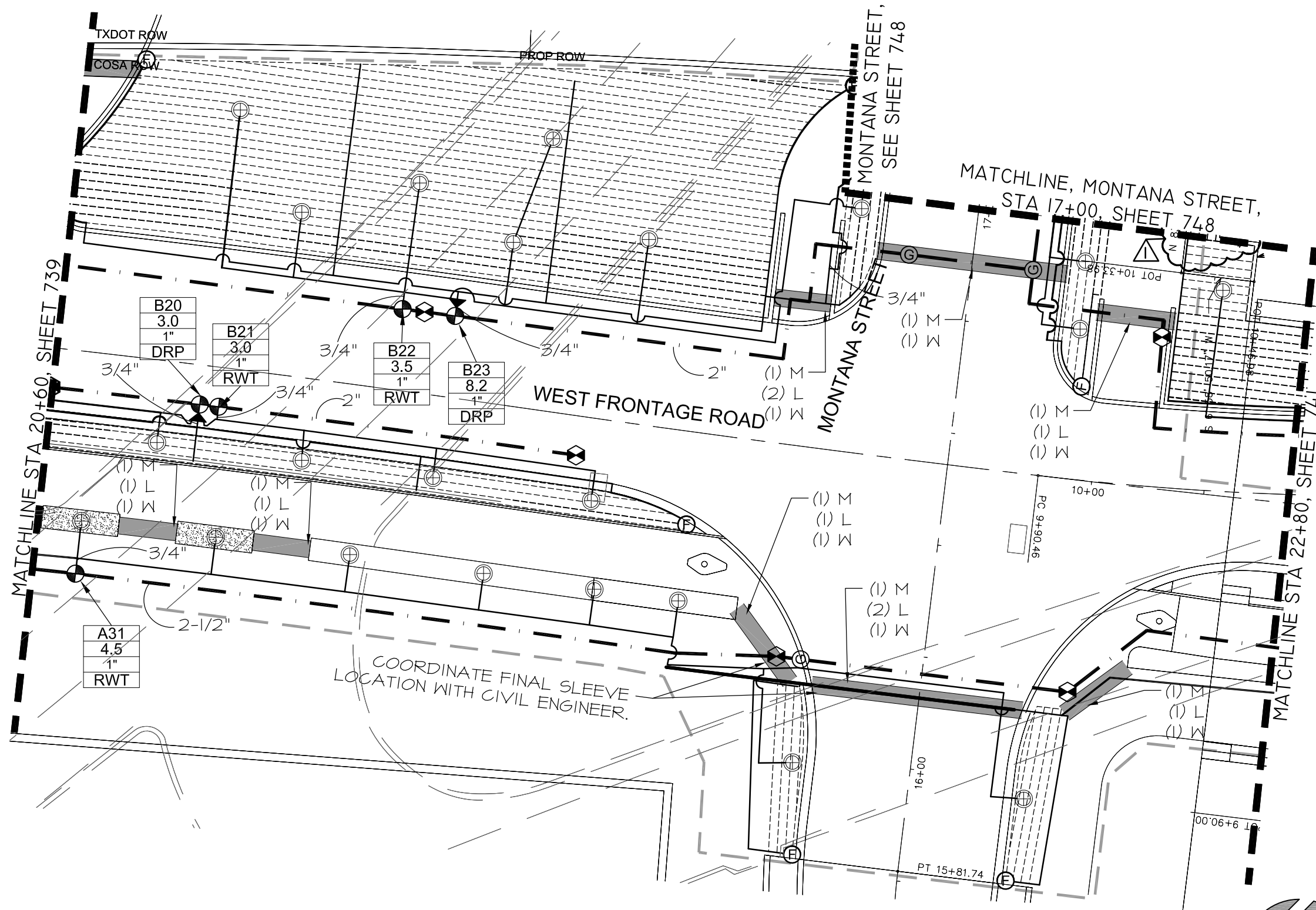
LIMIT OF WORK

- GENERAL NOTES
1. ALL MAINLINE AND LATERAL PIPES, VALVES, ETC., AND OTHER IRRIGATION APPURTENANCES SHOWN IN PAVED AREAS IS FOR GRAPHICAL CLARITY ONLY. CONTRACTOR TO PLACE MAINLINE AND LATERAL PIPES, VALVES, ETC. AND ALL APPURTENANCES WITHIN ADJACENT PLANTING AREAS.
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1	Addendum #2	JUL	JP	1/18	2013
NO	REVISION	DRAWN	APPROVED	DATE	
<div><div>URS</div><div>9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL:210.377.3764 FAX:210.377.0622 WWW.URSCORP.COM</div></div> <div><div>MIG</div><div>MOORE IACOFANO GOLTSMAN, INC. 800 HEARST AVENUE BERKELEY, CA 94710 TEL 510/845-7549 FAX 510/845-8750 www.migcom.com</div></div> <div><div>CITY OF SAN ANTONIO</div><div>CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT</div></div> <div>MARKET STREET REALIGNMENT WEST FRONTAGE ROAD IRRIGATION PLAN</div> <div>STA. 11+80-14+00</div> <div>100% SUBMITTAL DRWN, BY: J.JL</div> <div>PROJECT NO.: DSGN, BY: J.JL</div> <div>01858,00-MIG CHKD, BY: JP</div> <div>DATE: 1/02/2013 SHEET NO: 736</div> <div>(FIRM # 3162)</div>					
SHEET 736 OF 1070					

DATE: 1/17/2013 8:34:50 AM
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GENERAL LEGEND

SLEEVING: INSTALL IN LOCATIONS AS SHOWN ON PLAN. REFER TO PIPE/WIRE SLEEVING CHART ON SHEET 726 FOR SIZE AND TYPE.

(#) M = MAINLINE SLEEVE QUANTITY
(#) L = LATERAL SLEEVE QUANTITY
(#) W = WIRING CONDUIT QUANTITY

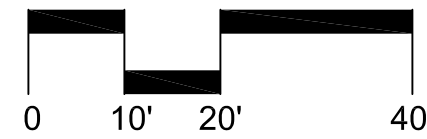
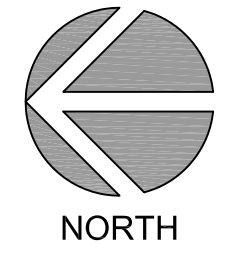
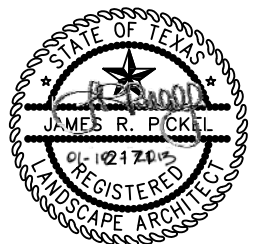
VALVE CALL OUT


STATION NUMBER →
CONTROLLER NUMBER → **X-#**
GALLONS PER MINUTE → **GPM**
VALVE SIZE → **X"**

DRP - DRIP IRRIGATION
RWT - ROOT WATERING TREE BUBBLER

EXISTING TREE
PIPE SIZING CALLOUT
LIMIT OF WORK

- GENERAL NOTES**
1. ALL MAINLINE AND LATERAL PIPES, VALVES, ETC., AND OTHER IRRIGATION APPURTENANCES SHOWN IN PAVED AREAS IS FOR GRAPHICAL CLARITY ONLY. CONTRACTOR TO PLACE MAINLINE AND LATERAL PIPES, VALVES, ETC. AND ALL APPURTENANCES WITHIN ADJACENT PLANTING AREAS.
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				//
1	Addendum #2	JUL	JP	//
NO	REVISION	DRAWN	APPROVED	DATE
 9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL:210,377.3764 FAX:210,377.0622 WWW.URSCORP.COM		(FIRM # 3162)		
 800 HEARST AVENUE BERKELEY, CA 94710 TEL 510/845-7549 FAX 510/845-8750 www.migcom.com		MOORE IACOFANO GOLTSMAN, INC.		
 CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD				
IRRIGATION PLAN				
STA. 20+60-22+80				
SHEET 740 OF 1070				
100% SUBMITTAL DRWN, BY: J.JL	PROJECT NO.: DSGN, BY: J.JL	01858.00-MIG CHKD, BY: JP	DATE: 1/02/2013	SHEET NO.: 740

WEST FRONTAGE ROAD,
SEE SHEET 740

WEST FRONTAGE ROAD, STA 17+00, SHEET 740

B24
2.5
1"
RWT

B25
0.9
1"
DRP

3/4"

3/4"

2"

(1) M
(1) W

2"

N 6° 58' 50.16" E

POT 10+05.98

POT 10+00.00

11+00

PC 11+33.64

PT 11+56.64

POT 11+80.77

EXISTING SUPPORT COLUMNS, TYPICAL.

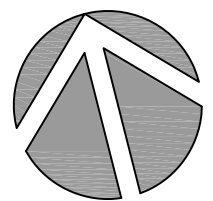
EXISTING SUPPORT COLUMNS, TYPICAL.

MONTANA STREET

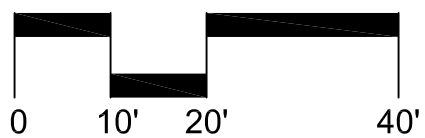
18+00

PRC 18+73.18

MATCHLINE STA 19+00, SHEET 749



NORTH



GENERAL LEGEND

SLEEVING: INSTALL IN LOCATIONS AS SHOWN ON PLAN. REFER TO PIPE/WIRE SLEEVING CHART ON SHEET 726 FOR SIZE AND TYPE.

(#) M = MAINLINE SLEEVE QUANTITY
(#) L = LATERAL SLEEVE QUANTITY
(#) W = WIRING CONDUIT QUANTITY

VALVE CALL OUT

STATION NUMBER →

CONTROLLER NUMBER →

GALLONS PER MINUTE →

VALVE SIZE →

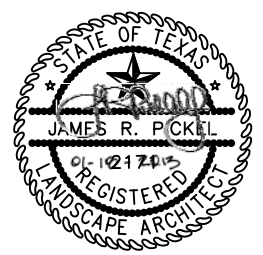
DRP - DRIP IRRIGATION
RWT - ROOT WATERING TREE BUBBLER

EXISTING TREE

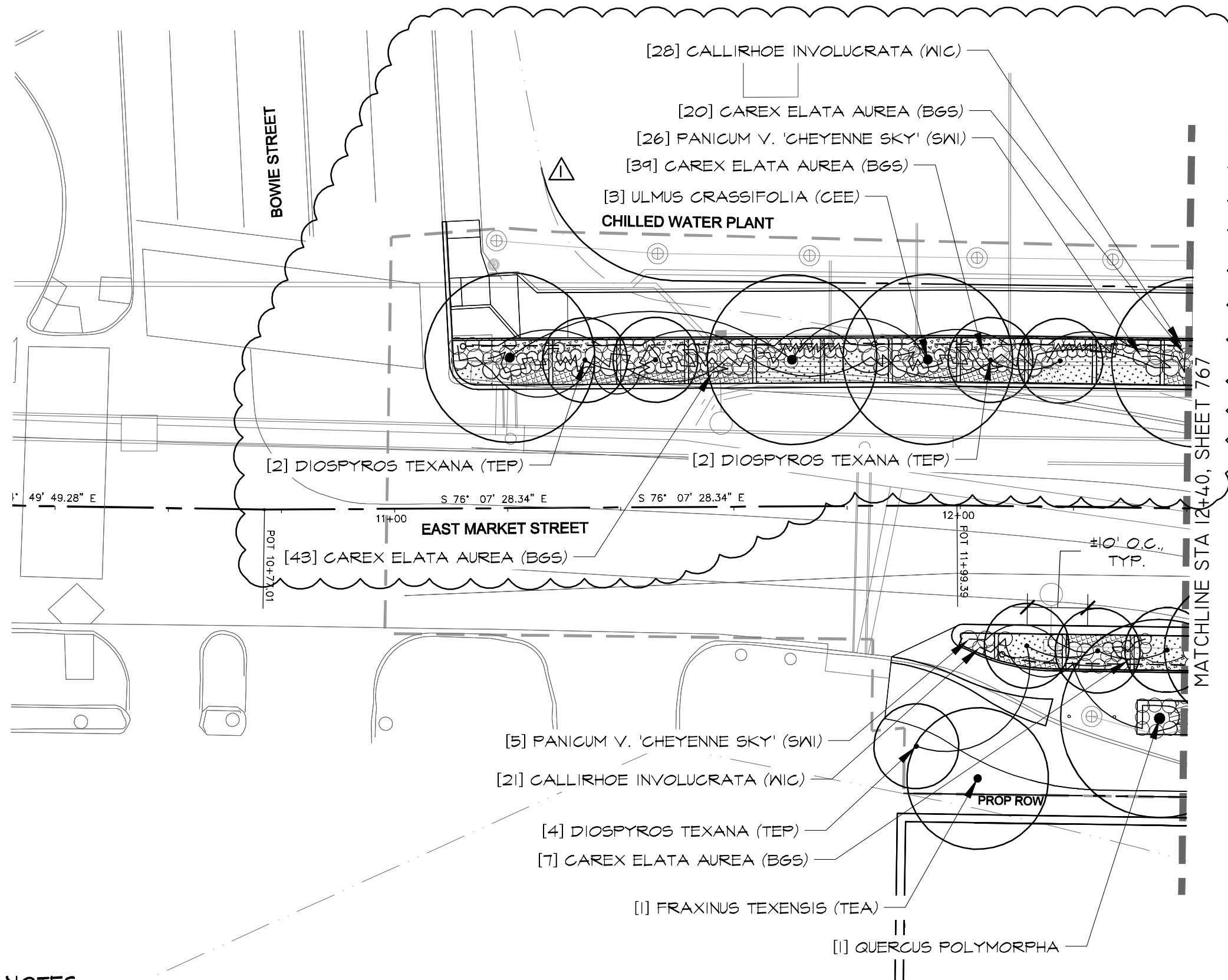
PIPE SIZING CALLOUT

LIMIT OF WORK

- GENERAL NOTES
1. ALL MAINLINE AND LATERAL PIPES, VALVES, ETC., AND OTHER IRRIGATION APPURTENANCES SHOWN IN PAVED AREAS IS FOR GRAPHICAL CLARITY ONLY. CONTRACTOR TO PLACE MAINLINE AND LATERAL PIPES, VALVES, ETC. AND ALL APPURTENANCES WITHIN ADJACENT PLANTING AREAS.
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1	Addendum #2	JUL	JP	1/18/2013	
NO	REVISION	DRAWN	APPROVED	DATE	
<div><div>URS</div><div>9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL:210.377.3764 FAX:210.377.0622 WWW.URSCORP.COM</div></div> <div><div>MIG</div><div>MOORE IACOFANO GOLTSMAN, INC. 800 HEARST AVENUE BERKELEY, CA 94710 TEL 510/845-7549 FAX 510/845-0750 www.migcom.com</div></div> <div><div>CITY OF SAN ANTONIO</div><div>CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT</div></div> <div><div>MARKET STREET REALIGNMENT</div><div>MONTANA STREET</div><div>IRRIGATION PLAN</div></div> <div>STA. 17+00 - 19+00</div> <div>SHEET 748 OF 1070</div>					
100% SUBMITTAL	PROJECT NO.: 01858.00-MIG	DATE: 1/02/2013			
DRWN, BY: JUL	DSGN, BY: JUL	CHKD, BY: JP	SHEET NO.: 748		

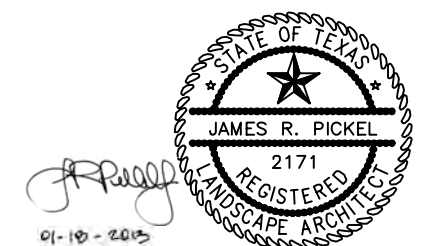
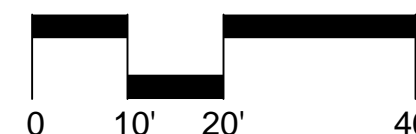
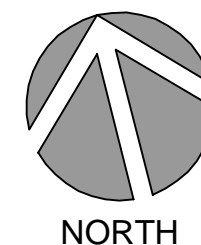


LEGEND


- TREE
- (E) TREE TO BE PROTECTED IN PLACE
- SHRUBS, GROUNDCOVERS, GRASSES
- CRUSHED STONE
- LANDSCAPE LIMIT OF WORK
- MATCH LINE - SHEET
- MATCH LINE - STA POINT
- PROPOSED RIGHT OF WAY
- CAREX BRUNNEA 'VARIEGATA'
- LIRIOPE
- NASELLA TENUISSIMA
- RUELLIA BRITTONIANA 'KATIE'
- SCUTELLARIA SUFFRETESCENS


NOTES


- THE PLANTING PLANS INDICATE PLANTING LOCATION AND QUANTITIES. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES. THE AREAS OF GROUNDCOVER AND PERENNIAL PLANTINGS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE REQUIRED NUMBER OF PLANTS TO COVER THE AREAS SHOWN ON THESE PLANS.
- REFER TO THE PLANT LIST ON SHEET 764 AND 765 FOR PLANT SIZES. REFER TO THE SPECIFICATIONS FOR SOIL PREPARATION, SOIL AMENDMENTS, FERTILIZER AND ADDITIONAL PLANTING REQUIREMENTS.



				/ /
				/ /
1	Addendum #2		AM	JP
NO	REVISION		DRAWN	APPROVED
				DATE

	9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230	(FIRM # 3162)
TEL 210.377.3764	FAX 210.377.0622	WWW.URSCORP.COM

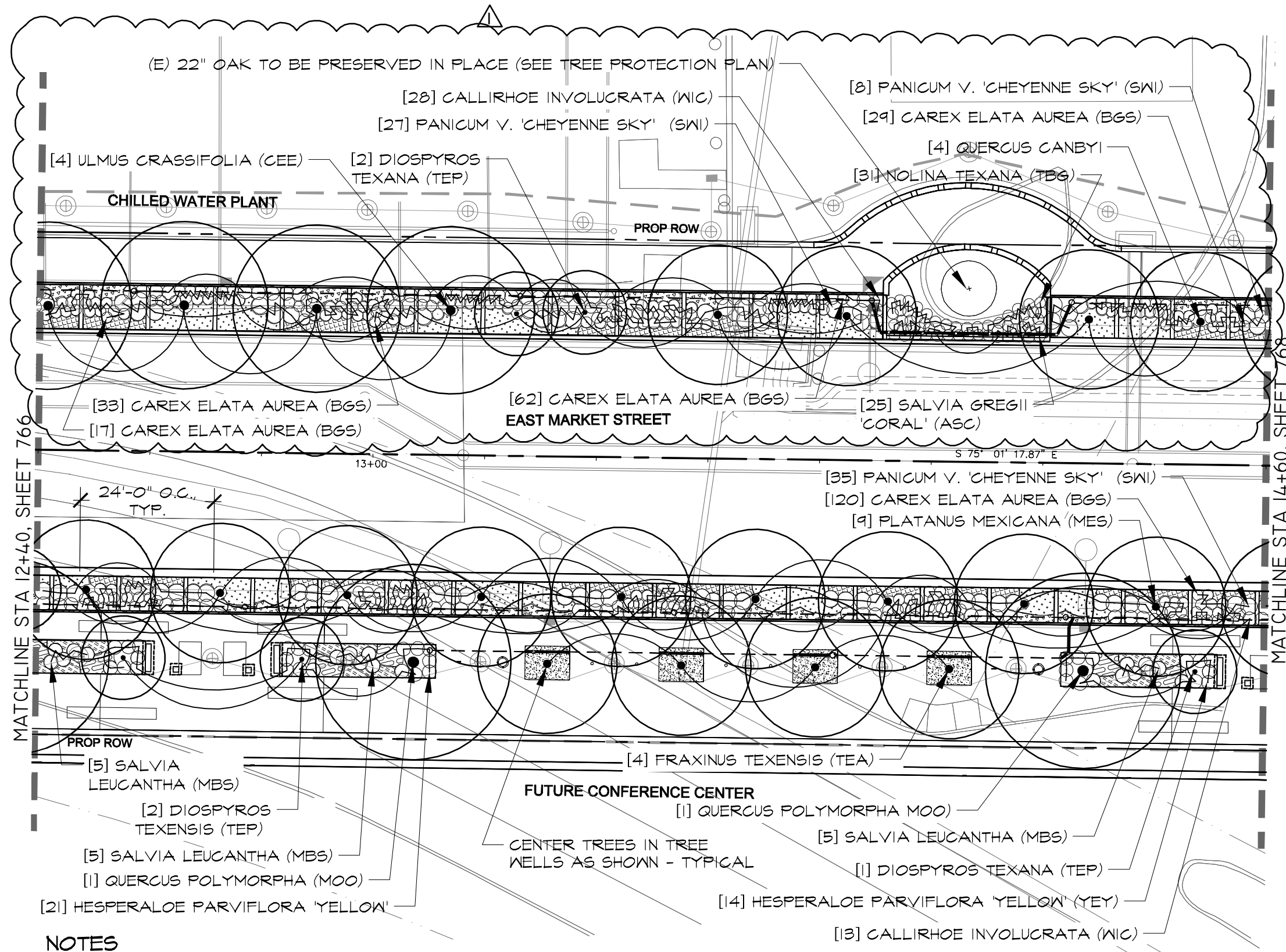
	MOORE IACOFANO GOLTSMAN, INC. 800 HEARST AVENUE BERKELEY, CA 94710	TEL 510.845.7549 FAX 510.845.8750 www.migcom.com
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	CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT
MARKET STREET REALIGNMENT EAST MARKET STREET	
PLANTING PLAN	
BEGINNING TO STA. 12+40	

100% SUBMITTAL	PROJECT NO.:	01858.00-MIG	DATE: 1/02/2013
DRWN. BY: AM	DSGN. BY: MM/AM	CHKD. BY: JP	SHEET NO: 766

DN: URS
CK: URS
DW: URS
CK: URS

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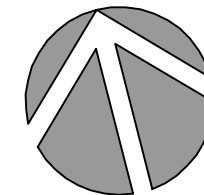


LEGEND

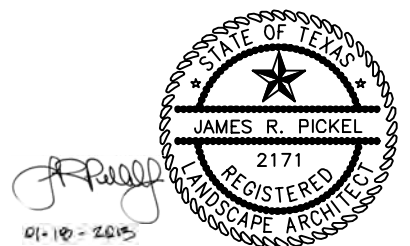
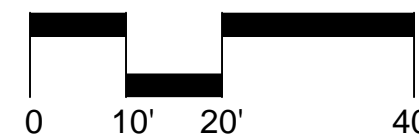
- TREE
- (E) TREE TO BE PROTECTED IN PLACE
- SHRUBS, GROUNDCOVERS, GRASSES
- CRUSHED STONE
- LANDSCAPE LIMIT OF WORK
- MATCH LINE - SHEET
- MATCH LINE - STA POINT
- PROPOSED RIGHT OF WAY
- CAREX BRUNNEA 'VARIEGATA'
- LIRIOPE
- NASELLA TENUISSIMA
- RUELLIA BRITTONIANA 'KATIE'
- SCUTELLARIA SUFFRETESCENS

NOTES

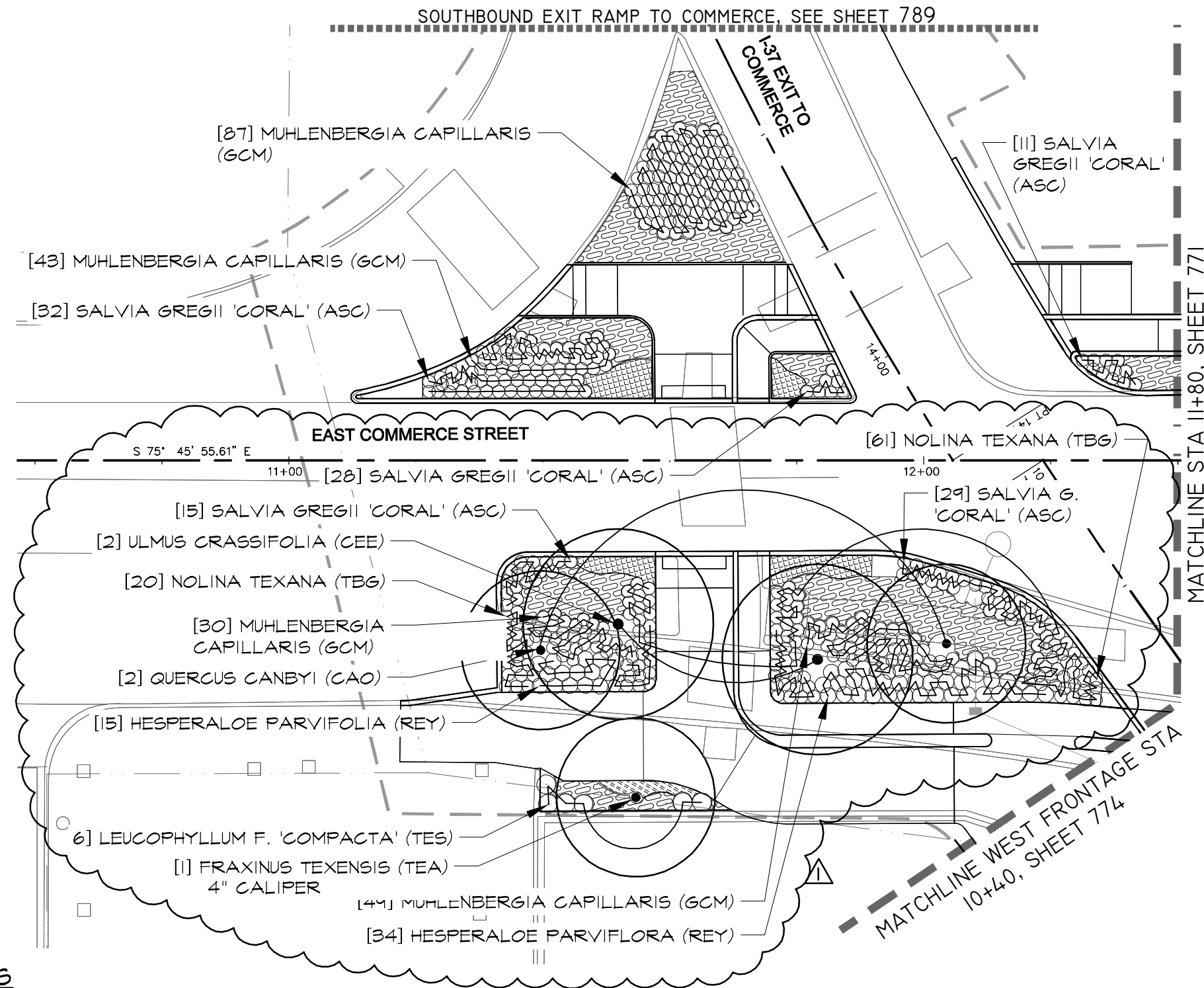
- THE PLANTING PLANS INDICATE PLANTING LOCATION AND QUANTITIES. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES. THE AREAS OF GROUNDCOVER AND PERENNIAL PLANTINGS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE REQUIRED NUMBER OF PLANTS TO COVER THE AREAS SHOWN ON THESE PLANS.
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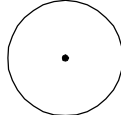
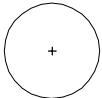





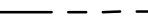

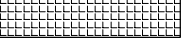
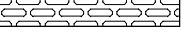
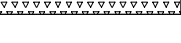

NORTH

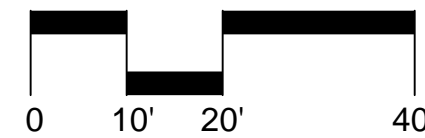
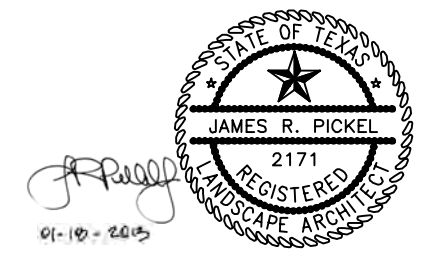


Addendum #2		AM	JP	1/18/2013
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 R110 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 (FIRM # 3162) TEL 210.377.3764 FAX 210.377.0622 WWW.URSCORP.COM				
MIG MOORE IACOFANO GOLTSMAN, INC. 400 HEARST AVENUE BERKELEY, CA 94710 TEL 510.845.7549 FAX 510.845.8750 www.mig.com				
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT EAST MARKET STREET				
PLANTING PLAN				
STA. 12+40-14+60 SHEET 767 OF 1070				
100% SUBMITTAL	PROJECT NO.: 01858.00-MIG	DATE: 1/02/2013		
DRWN. BY: AM	DSGN. BY: MM/AM	CHKD. BY: JP	SHEET NO: 767	



LEGEND

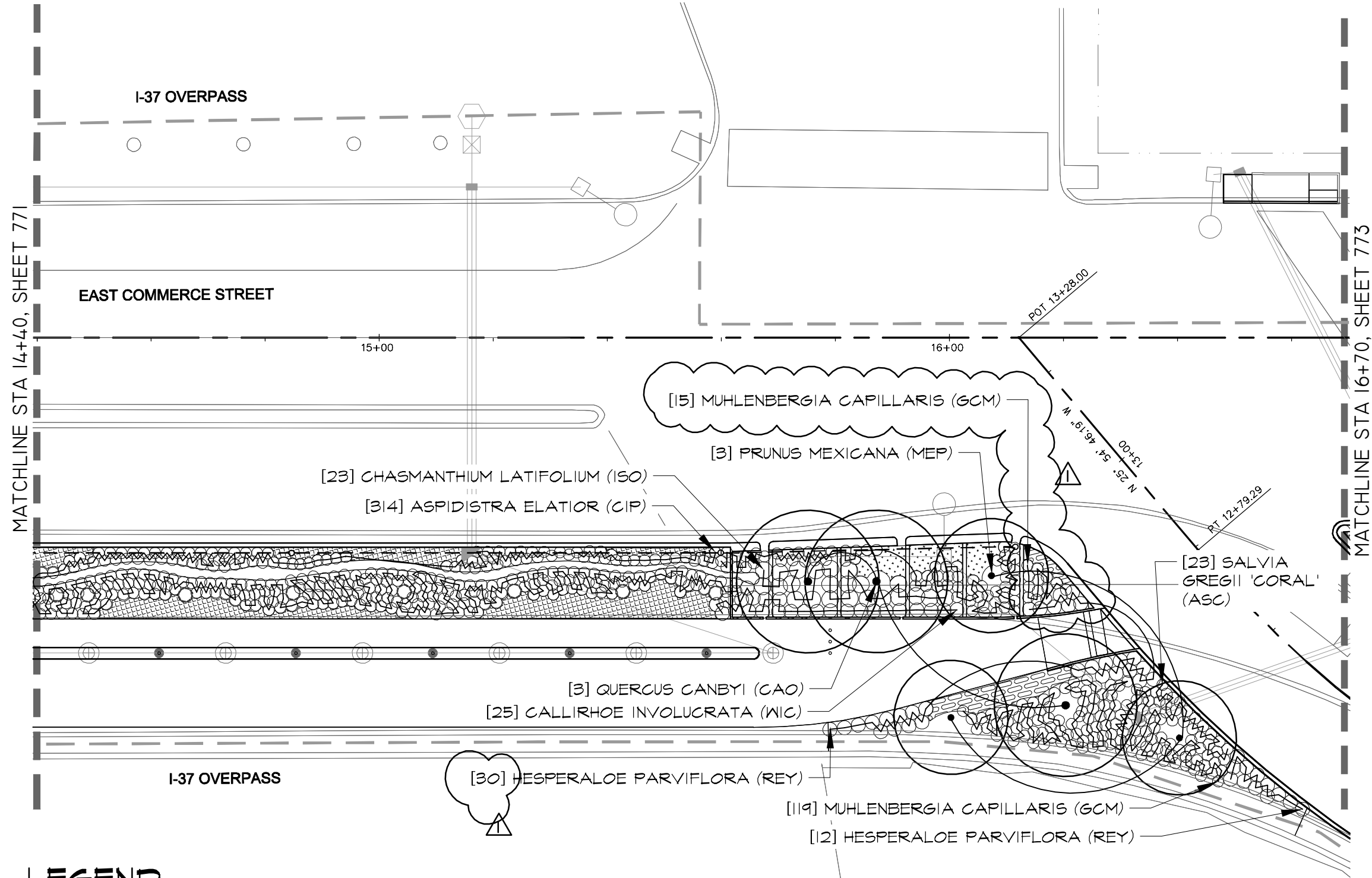
	TREE
	(E) TREE TO BE PROTECTED IN PLACE
	SHRUBS, GROUNDCOVERS, GRASSES
	CRUSHED STONE
	LANDSCAPE LIMIT OF WORK
	MATCH LINE - SHEET
	MATCH LINE - STA POINT
	PROPOSED RIGHT OF WAY
	CAREX BRUNNEA 'VARIEGATA'
	LIRIOPE
	NASELLA TENUISSIMA
	RUELLIA BRITTONIANA 'KATIE'
	SCUTELLARIA SUFFRETESCENS



NOTES

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- REFER TO THE PLANT LIST ON SHEET 764 AND 765 FOR PLANT SIZES. REFER TO THE SPECIFICATIONS FOR SOIL PREPARATION, SOIL AMENDMENTS, FERTILIZER AND ADDITIONAL PLANTING REQUIREMENTS.

1	Addendum #2	AM	JP	1/18/2013
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 R110 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 (FIRM # 3162) TEL 210.377.3764 FAX 210.377.0622 WWW.URSCORP.COM				
MIG MOORE IACOFANO GOLTSMAN, INC. 400 HEARST AVENUE BERKELEY, CA 94710 TEL 510.845.7549 FAX 510.845.8750 www.migom.com				
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT EAST COMMERCE STREET				
PLANTING PLAN				
BEGINNING OF PROJECT - 11+80 SHEET 770 OF 1070				
100% SUBMITTAL	PROJECT NO.: 01858.00-MIG	DATE: 1/02/2013		
DRWN. BY: AM	DSGN. BY: MM/AM	CHKD. BY: JP	SHEET NO: 770	

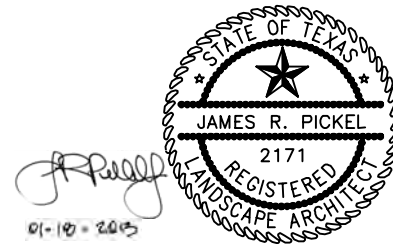


NOTES

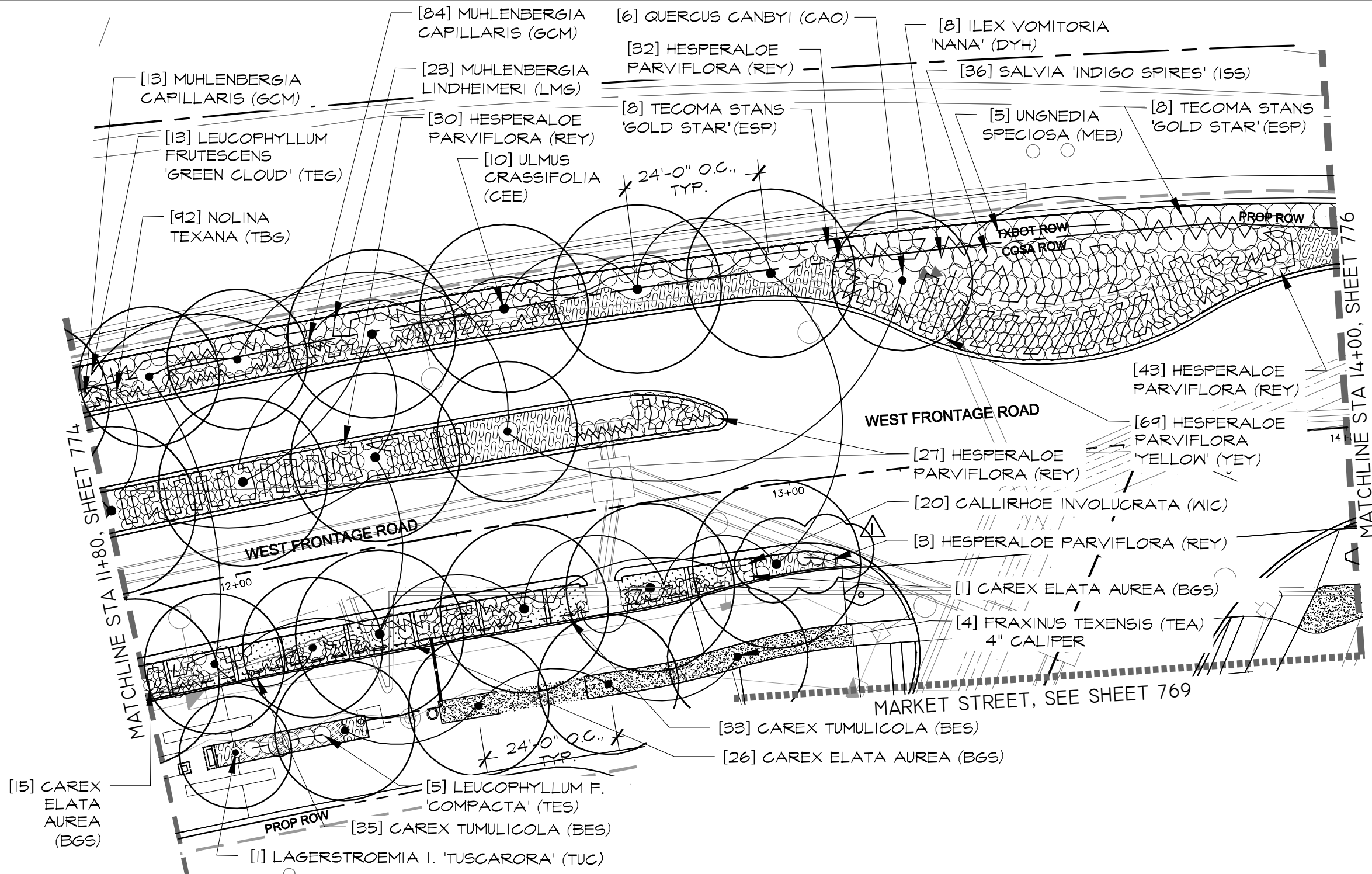
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LEGEND

	TREE		CAREX BRUNNEA 'VARIEGATA'		LANDSCAPE LIMIT OF WORK
	(E) TREE TO BE PROTECTED IN PLACE		LIRIOPE		MATCH LINE - SHEET
	CRUSHED STONE		NASELLA TENUISSIMA		MATCH LINE - STA POINT
	SHRUBS, GRASSES, GROUNDCOVERS,		RUELLIA BRITTONIANA 'KATIE'		PROPOSED RIGHT OF WAY
			SCUTELLARIA SUFFRETESCENS		

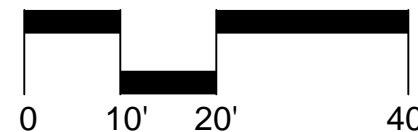
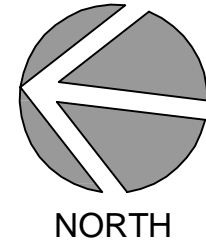


Addendum #2		AM	JP	1/18/2013
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL 210.377.3764 FAX 210.377.0622 WWW.URSCORP.COM (FIRM # 3162)				
MIG MOORE IACOFANO GOLTSMAN, INC. 800 HEARST AVENUE BERKELEY, CA 94710 TEL 510.845.7549 FAX 510.845.8750 www.migfirm.com				
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT EAST COMMERCE STREET PLANTING PLAN				
STA. 14+40 - 16+70 SHEET 772 OF 1070				
100% SUBMITTAL	PROJECT NO.: 01858.00-MIG	DATE: 1/02/2013		
DRWN BY: AM	DSGN BY: MM/AM	CHKD BY: JP	SHEET NO.: 772	



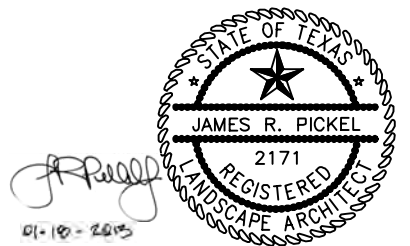
LEGEND

	TREE		CAREX BRUNNEA 'VARIEGATA'		LANDSCAPE LIMIT OF WORK
	(E) TREE TO BE PROTECTED IN PLACE		LIRIOPE		MATCH LINE - SHEET
	CRUSHED STONE		NASELLA TENUISSIMA		MATCH LINE - STA POINT
	SHRUBS, GRASSES, GROUNDCOVERS,		RUELLIA BRITTONIANA 'KATIE'		PROPOSED RIGHT OF WAY
			SCUTELLARIA SUFFRETESCENS		



NOTES

- THE PLANTING PLANS INDICATE PLANTING LOCATION AND QUANTITIES. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES. THE AREAS OF GROUNDCOVER AND PERENNIAL PLANTINGS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE REQUIRED NUMBER OF PLANTS TO COVER THE AREAS SHOWN ON THESE PLANS.
- REFER TO THE PLANT LIST ON SHEET 764 AND 765 FOR PLANT SIZES. REFER TO THE SPECIFICATIONS FOR SOIL PREPARATION, SOIL AMENDMENTS, FERTILIZER AND ADDITIONAL PLANTING REQUIREMENTS.
- CONTRACTOR TO LOCATE PLANTS ADJACENT TO RETAINING WALL AS SHOWN ON PLAN, MAINTAINING MIN. 18" CLEAR FROM PLANT CENTER AND RETAINING WALL.



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MARKET STREET REALIGNMENT WEST FRONTAGE ROAD PLANTING PLAN		
STA. 11+80-14+00 SHEET 775 OF 1070		
100% SUBMITTAL DRWN. BY: AM	PROJECT NO.: 01858.00-MIG DSGN. BY: MM/AM	DATE: 1/02/2013 CHKD. BY: JP SHEET NO.: 775

1. SEE SPECS FOR SOIL PREPARATION FOR ALL PLANTING AREAS.
2. MAXIMUM COMPACTION ALLOWED FOR ANY NATIVE SOIL IN PLANTING AREAS TO BE 85%.



1. FINISH - ALL WALLS TO RECEIVE LIGHT SAND FINISH WITH ANTI-GRAFFITI COATING
2. COLOR - INTEGRAL COLOR TO BE SCOFIELD COLOR #XXX

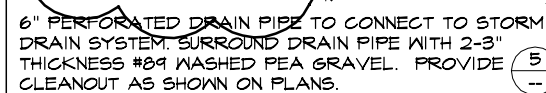


Scale: NTS

1. SUBMIT SAMPLES OF SOIL, SAND, AND GRAVEL WITH ANALYSIS BY SOILS TESTING LAB FOR APPROVAL. SEE SPECS
2. SEE DRAINAGE PLAN FOR OVERFLOW DRAIN SPECIFICATIONS.



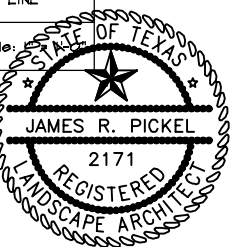
Scale: N.T.S.




Scale: 1:1000



Scale: 1:1000



				/	/
1	Addendum #2		AM	JP	1/8 /012
NO	REVISION		DRAWN	APPROVED	DATE



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CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT

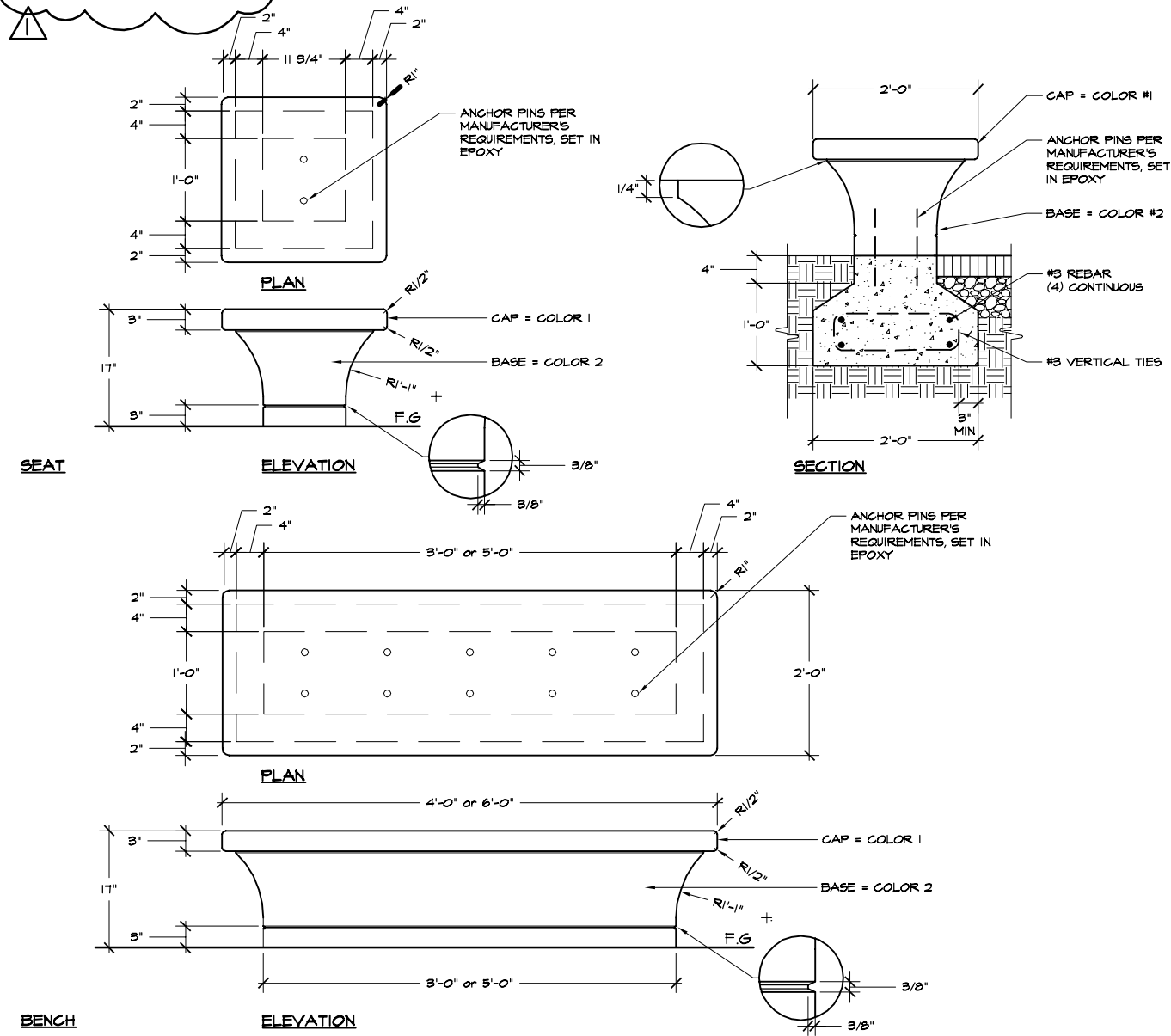
MARKET STREET REALIGNMENT

CONSTRUCTION DETAILS

			SHEET X OF 1070
100% SUBMITTAL	PROJECT NO.:	01858.00-MIG	DATE: 1/02/2013
DRWN. BY: AM	DSGN. BY: MM/AM	CHKD. BY: JP	SHEET NO.: 791

DATE: 1/17/2013 3:16:22 PM
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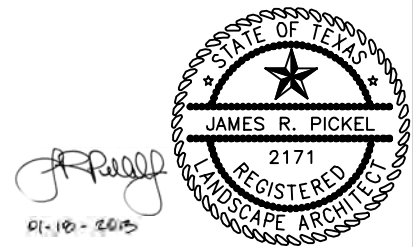
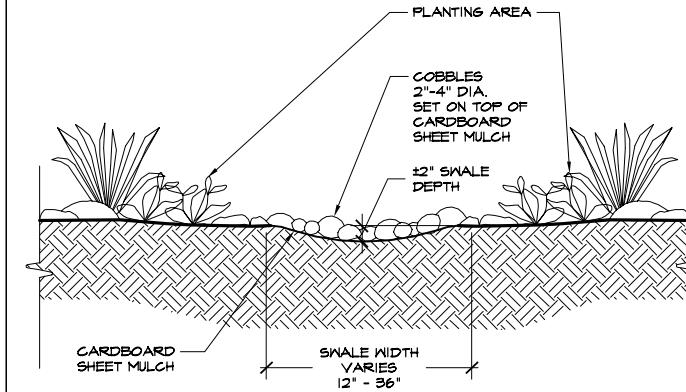
- NOTES:**
1. CONCRETE SEATS AND BENCHES SHALL BE CUSTOM PRE-CAST CONCRETE. SEE SPECS FOR COLOR, FINISH AND QUALITY. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.
 2. SEE SPECIFICATIONS FOR COLORS.



CONCRETE SEAT AND BENCH

Scale: NTS

- NOTES:**
1. ENSURE POSITIVE DRAINAGE (MINIMUM 0.5% TO 1.0%) FROM EAST END OF GRAVEL SWALE TO WEST END OF GRAVEL SWALE, SEE PLAN



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CONSTRUCTION DETAILS				
SHEET X OF 1070				
100% SUBMITTAL	PROJECT NO.: 01858.00-MIG	DATE: 1/02/2013		
DRWN. BY: AM	DSGN. BY: MM/AM	CHKD. BY: JP	SHEET NO. 792	



BOLLARD LIGHT,
LANDSCAPE FORMS,
HAWTHORNE CONCORD (SEE
ILLUMINATION PLAN)



PEDESTRIAN LIGHT
LANDSCAPE FORMS,
"ALCOTT" 12' HIGH
(SEE ILLUMINATION PLAN)



STREET LIGHT
VALMONT,
(SEE ILLUMINATION PLAN)

Steelsites™ Series RSDC-36



Model RSDC-36: Steelsites™ Series Side-Deposit
Side-Door Litter and Recycling Receptacle

TRASH / RECYCLING RECEPTACLES
VICTOR STANLEY INC.,
STEELSITES SERIES,
MODEL RSDC-36



TREE GUARD
VICTOR STANLEY INC.,
IRONSITES SERIES,
MODEL S-6 54" HIGH X
16" DIAMETER



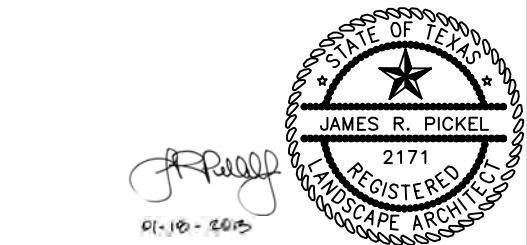
BIKE RACK
MAGLIN, MBR-201
GALVANIZED
FINISH



BOLLARD
FAIRWEATHER, B-2
4" ROUND BOLLARD,
POWDERCOATED
FINISH

NOTES

- SEE ILLUMINATION PLANS FOR BOLLARD, PEDESTRIAN, AND STREET LIGHT INSTALLATION.
- ALL SITE FURNISHINGS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS (SEE SPECIFICATIONS).

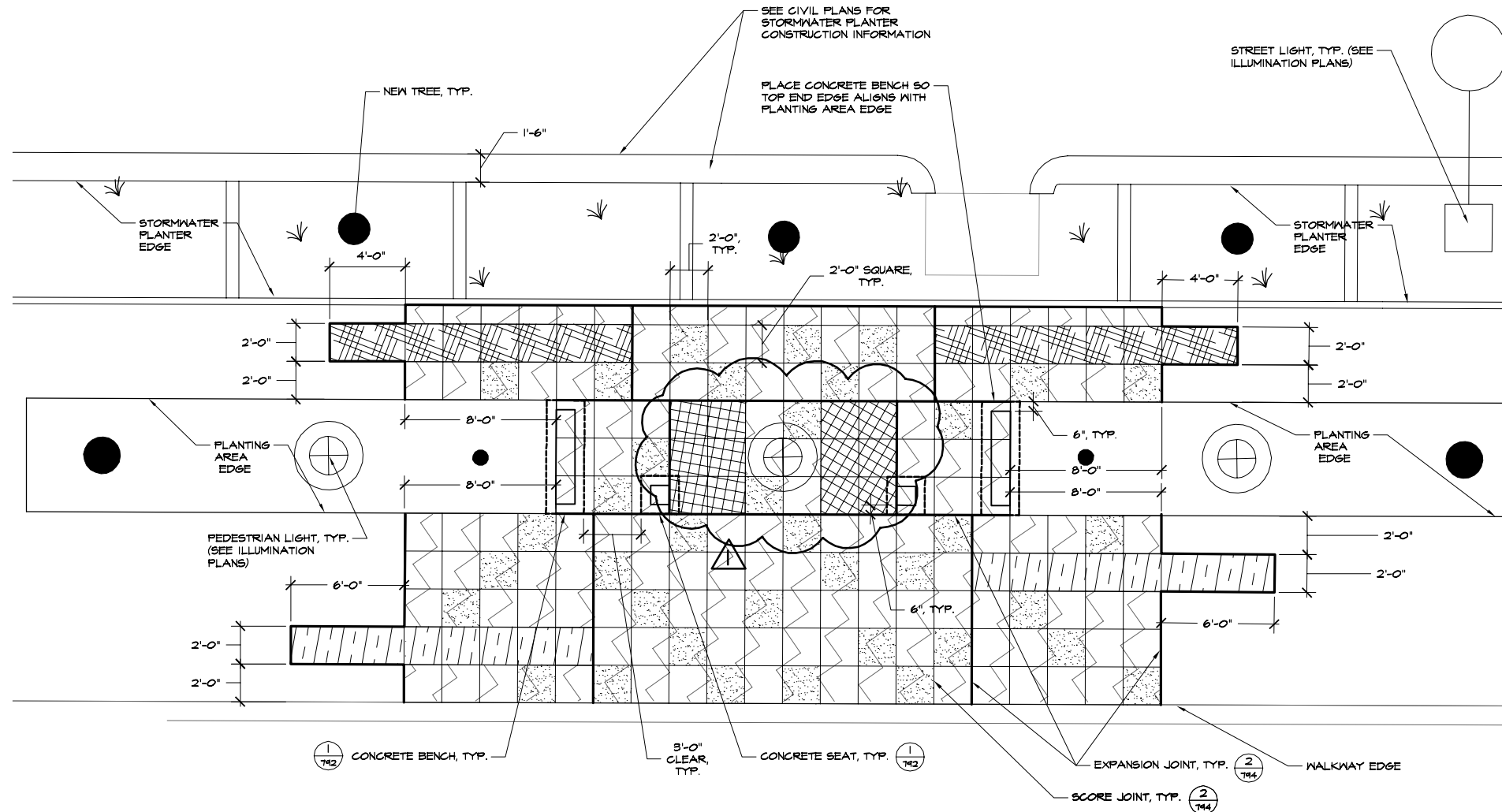


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SITE FURNISHINGS				
SHEET X OF 1070				
100% SUBMITTAL	PROJECT NO:	01858.00-MIG	DATE:	1/02/2013
DRWN. BY: AM	DSGN. BY: MM/AM	CHKD. BY: JP	SHEET NO. 793	

DATE: 1/17/2013 3:16:46 PM
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NOTES:

1. ALL EXPANSION JOINTS IN SPECIAL PAVING AREAS SHALL BE PROVIDED WITH JOINT SEALANT (SEE SPECIAL SPECIFICATION ITEM 9004A)

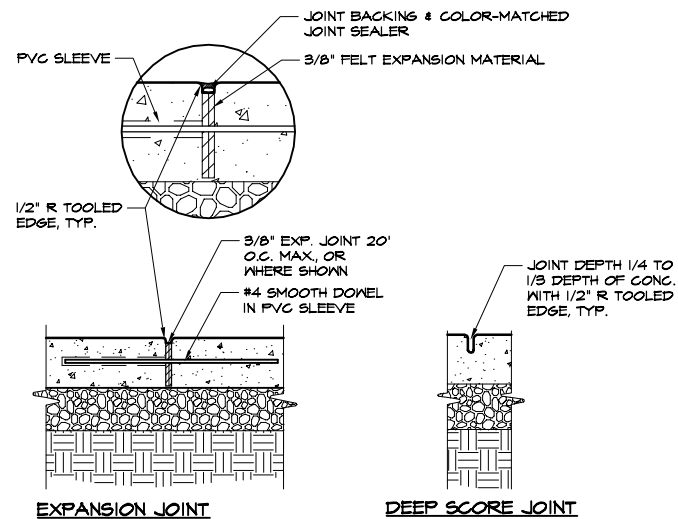


1 ENLARGED DETAIL PLAN 1 - SPECIAL PAVING AT MARKET STREET

Scale: 1/8" = 1'-0"

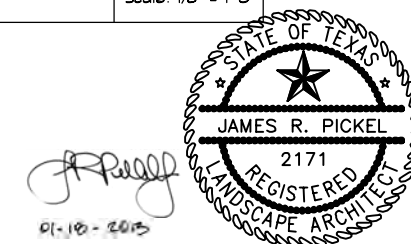
NOTES:

1. PROVIDE CONTROL JOINTS AS SHOWN ON PLANS (@ 8'-0" MAX SO THERE IS NO FIELD OF CONCRETE WITH ASPECT RATIO GREATER THAN 1.5 TO 1).
2. PROVIDE EXPANSION JOINTS AS SHOWN ON PLANS AND WHERE CONCRETE PAVING MEETS VERTICAL SURFACE.



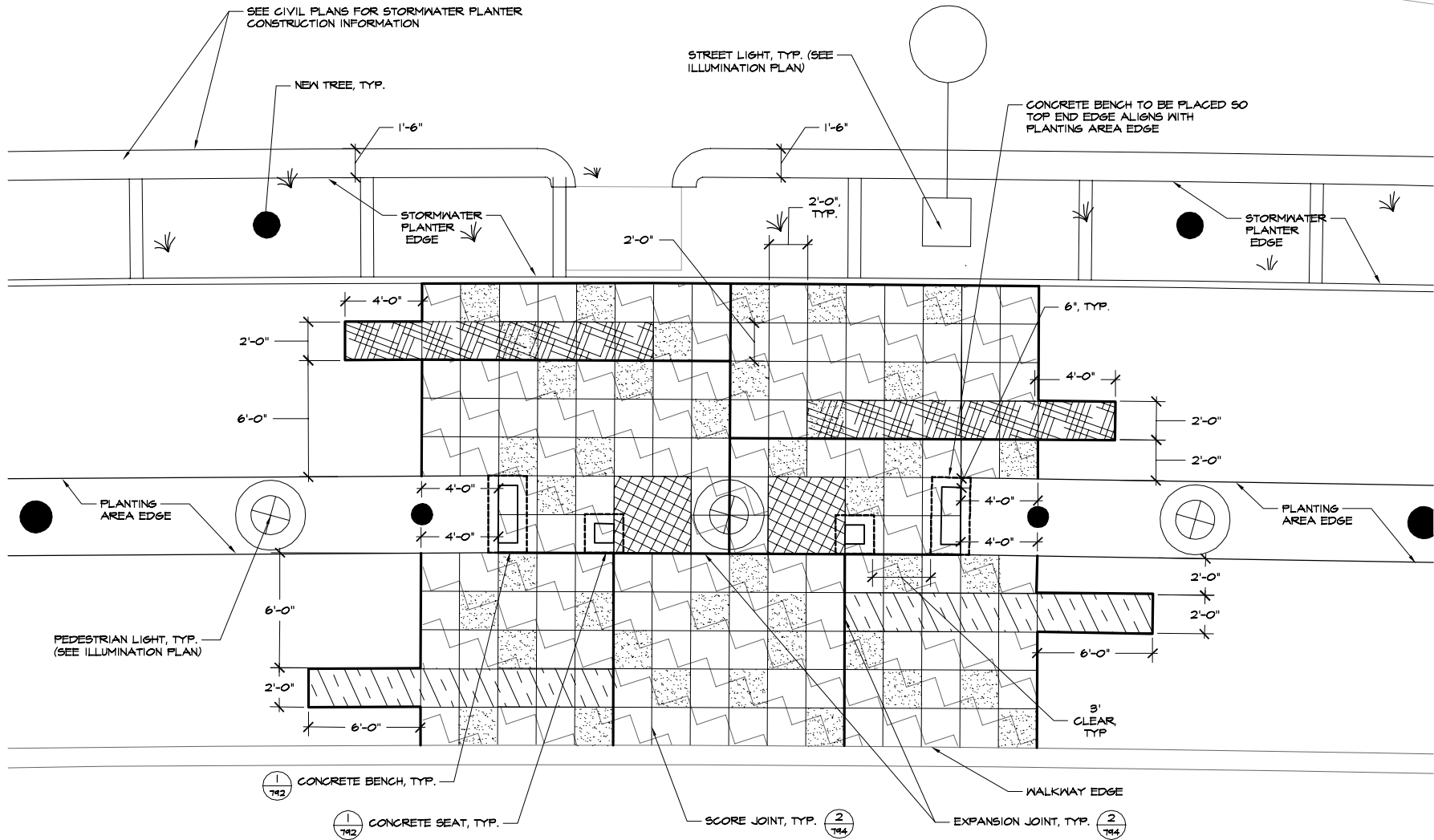
2 CONCRETE JOINTS

Scale: N.T.S



1	Addendum #2	AM	JP	1/18/2013
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CONSTRUCTION DETAILS				
SHEET X OF 1070				
100% SUBMITTAL	PROJECT NO.: 01858.00-MIG	DATE: 1/02/2013		
DRWN. BY: AM	DSGN. BY: MM/AM	CHKD. BY: JP	SHEET NO. 794	

NOTES:
1. ALL EXPANSION JOINTS IN SPECIAL PAVING AREAS SHALL BE PROVIDED WITH JOINT SEALANT (SEE SPECIAL SPECIFICATION ITEM 9004A)



1 ENLARGED DETAIL PLAN 2 - SPECIAL PAVING AT WEST FRONTAGE ROAD

Scale: 1/8" = 1'-0"

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1	Addendum #2	AM	JP	1/18/2013

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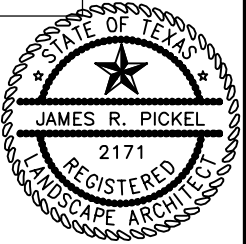
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MARKET STREET REALIGNMENT

CONSTRUCTION DETAILS

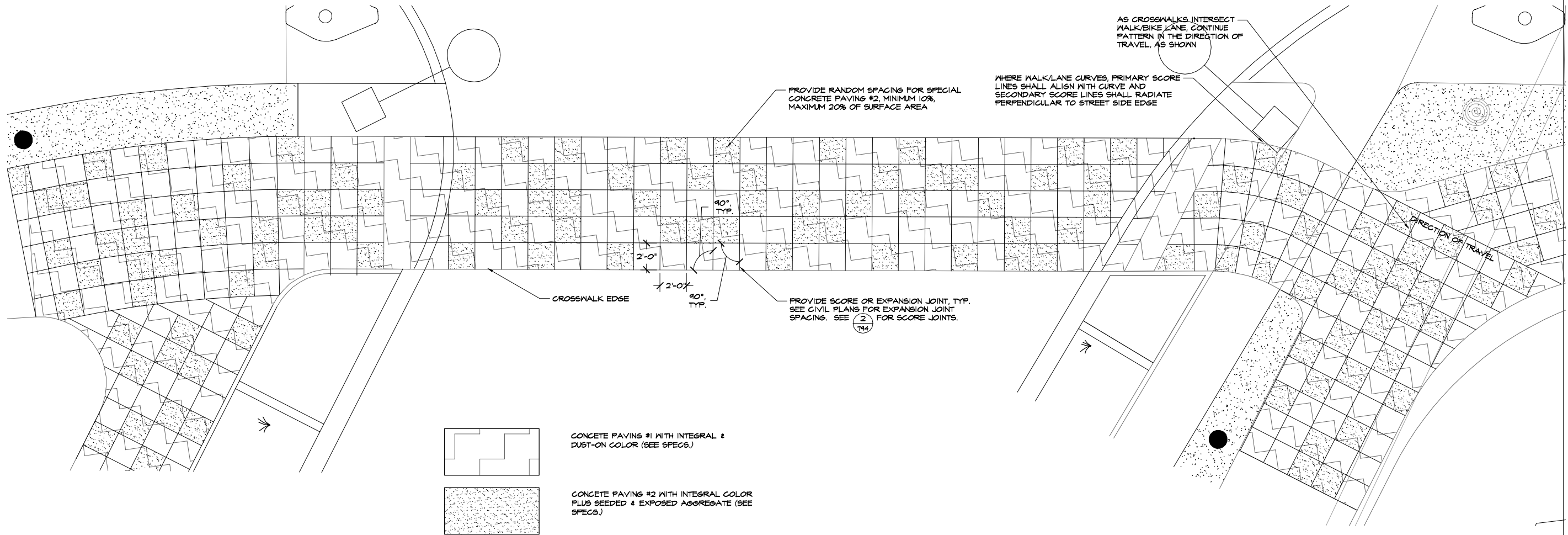
100% SUBMITTAL PROJECT NO.: 01858.00-MIG DATE: 1/02/2013
DRWN. BY: AM DSGN. BY: MM/AM CHKD. BY: JP SHEET NO.: 795

SHEET X OF 1070

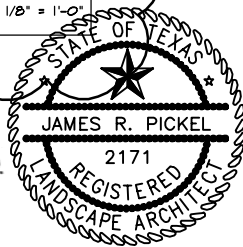


NOTES:

1. SCORE PATTERN FOR ALL SPECIAL PAVING AT CROSSWALKS SHALL COMPRISE PRIMARY LINES PARALLEL TO THE WALK/BIKE LANE STREETSIDE EDGE AND SECONDARY LINES PERPENDICULAR TO THE PRIMARY LINES.
2. WHERE WALK/LANE WIDTH DOES NOT DIVIDE EVENLY BY THE TYPICAL 2', PLACE THE NON-TYPICAL DIMENSION ON THE SIDE CLOSEST TO THE BUILDING ROW.
3. ALL EXPANSION JOINTS IN SPECIAL PAVING AREAS SHALL BE PROVIDED WITH JOINT SEALANT (SEE SPECIAL SPECIFICATION ITEM 9004A).



ENLARGED DETAIL PLAN 3 - TYPICAL SPECIAL PAVING AT CROSSWALKS



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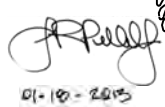
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MARKET STREET REALIGNMENT

CONSTRUCTION DETAILS

100% SUBMITTAL	PROJECT NO.: 01858.00-MIG	DATE: 1/02/2013
DRWN. BY: AM	DSGN. BY: MM/AM	CHKD. BY: JP
SHEET NO. 796		OF 1070

9004A.2	Special Paving #1 Upcharge	SF	13034	246	1613	708	1548	641	0	0	0	1892	376	100	694	694	2494	0	694	950	0	0	0	631	0	0	0	0
9004A.3	Special Paving #2 Upcharge	SF	1558	0	153	37	228	113	0	0	0	291	0	0	39	39	440	0	39	84	0	0	0	95	0	0	0	0
9004A.4	Special Paving #3 Upcharge	SF	420	0	0	64	32	0	0	0	0	32	32	0	64	64	0	8	56	60	8	0	0	0	0	0	0	0
9004A.5	Special Paving #4 Upcharge	SF	354	0	0	64	2	0	0	0	0	32	32	0	64	64	0	12	52	32	0	0	0	0	0	0	0	0
9004A.6	Special Paving #5 Upcharge	SF	312	0	60	60	24	0	0	0	0	24	16	0	32	32	0	0	32	32	0	0	0	0	0	0	0	0
9004B	Anti-graffiti Coating	SF	1954	0	292	267	174	0	0	9	0	122	122	126	223	160	126	101	164	68	0	0	0	0	0	0	0	0
9005.1	Crushed Stone at Tree Wells and Paving Dividers	SF	3764	0	192	240	740	0	0	0	0	236	359	396	270	108	512	293	202	216	0	0	0	0	0	0	0	0
9005.2	Gravel Swale	SF	444	0	0	0	0	0	188	256	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9008.1a	Perf. Pipe at Strmtrw Plntr/Tree Wells w/ trenching & drain rock	LF	4201	160	485	524	427	68	102	173	0	150	106	208	269	247	117	252	261	135	110	218	219	130	0	0	0	0
9008.1b	Solid Pipe at Tree Wells w/trenching & drain rock	LF	613	0	92	47	68	0	2	0	0	29	12	66	80	58	41	65	53	0	0	0	0	0	0	0	0	0
9008.1c	Cleanouts for underdrain lines	EA	76	2	9	8	7	2	1	3	0	5	3	4	3	5	2	6	4	3	3	4	2	2	0	0	0	0
IRRIGATION PLAN - QUANTITIES			SHEET NUMBER																									
ITEM NO.	ITEM DESCRIPTION	UNIT		727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	
9006.1	Water Tap and Meter (1" Size)	EA	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9006.2	Backflow Prevention Device with Enclosure (1" Size)	EA	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9006.3	Irrigation Booster Pump System	EA	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9006.4	Landscape Injector Systems: EA @ \$6,000	EA	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9006.5	Automatic Irrigation Controller (2-Wire Central Control)	EA	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9006.6	Control Wire (2-wire)	LF	7590	100	440	440	430	235	100	240	10	285	485	635	735	705	595	420	225	220	225	220	225	70	200	110	240	
9006.7	Irrigation Sleeves (Mainline)	LF	1273	0	0	25	78	95	15	55	15	50	65	65	145	120	150	10	55	110	0	0	0	10	130	80	0	
9006.8	Irrigation Sleeves (Laterals)	LF	1440	25	80	97	129	75	0	55	39	95	70	175	185	155	165	40	30	0	0	0	0	10	0	0	15	
9006.9	Irrigation Sleeves (Wires)	LF	1273	0	0	25	78	95	15	55	15	50	65	65	145	120	150	10	55	110	0	0	0	10	130	80	0	
9006.10	Irrigation Pressure Mainline (2-1/2" size)	LF	4500	100	440	440	430	235	0	0	0	140	150	245	220	220	230	225	225	220	225	220	225	70	0	0	240	
9006.11	Irrigation Pressure Mainline (2" size)	LF	3090	0	0	0	0	0	100	240	10	145	335	390	515	485	365	195	0	0	0	0	0	0	200	110	0	
9006.12	Irrigation Isolation Gate Valves (2-1/2" size)	EA	11	0	0	0	3	2	0	0	0	0	1	3	0	0	1	0	1	0	0	0	0	0	0	0	0	
9006.13	Irrigation Isolation Gate Valves (2" size)	EA	12	0	0	0	0	0	0	1	0	0	1	0	6	1	2	0	0	0	0	0	0	0	1	0	0	
9006.14	Irrigation Quick Coupling Valve (1" size)	EA	52	1	4	3	2	3	1	1	1	2	4	3	3	3	5	3	2	1	2	1	2	1	1	1	2	
9006.15	Tree Root Watering System (2 per tree)	EA	616	22	52	68	46	8	4	12	6	34	42	50	46	40	46	28	16	10	18	16	18	14	6	2	12	
9006.16	Subsurface Drip Irrigation	SF	58717	1151	3177	3193	2534	2529	1236	3902	1196	2503	4485	3395	2439	3326	5924	5407	845	444	1045	872	876	574	427	240	6997	
9006.17	Remote Control Valve	EA	31	0	2	4	1	1	0	1	0	2	3	3	1	3	3	2	0	0	2	1	0	1	1	0	0	
9006.18	Drip Remote Control Valve	EA	39	0	2	2	1	2	1	3	1	1	4	3	0	3	3	2	1	0	1	1	0	1	1	1	5	
PLANTING PLAN - QUANTITIES			SHEET NUMBER																									
ITEM NO.	ITEM DESCRIPTION	UNIT		766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	
9005.3	Cobble Dissapators at Stormwater Inlets	SF	239	14	26	14	21	6	3	6	0	8	6	10	14	14	8	13	14	11	14	14	14	9	0	0	0	
9007.1	Trees, 2.5" caliper	EA	78	8	5	6	3	0	0	3	3	6	1	2	2	4	6	9	6	6	3	0	2	3	0	0	0	
9007.2	Trees, 3" caliper	EA	166	5	16	19	12	2	0	0	0	6	10	8	12	22	2	14	12	2	8	7	2	4	2	1	0	
9007.3	Trees, 4" caliper	EA	84	1	6	5	6	3	1	3	0	7	10	15	2	0	15	0	2	2	0	1	5	0	0	0	0	
9007.4-7	Shrubs and groundcover	SF	57422	1319	3693	3118	2351	1995	1024	1913	1157	2549	4426	3160	2839	3230	6301	4279	1481	964	1362	1090	1095	716	479	222	6659	
9007.8a	Soil Prep + Amendments (Shrub/Groundcover), 12-18" deep	SF	34548	81	845	336	168	635	700	1225	1157	1833	3874	2405	1779	2200	5739	3281	376	226	262	0	0	66	479	222	6659	
9007.8b	Soil for Trenches	SF	2946	96	480	576	438	0	0	0	0	112	52	224	248	160	80	280	200	0	0	0	0	0	0	0	0	
9007.8c	Soil for Tree Wells	SF	3418	0	192	240	394	0	0	0	0	236	359	396	270	108	512	293	202	216	0	0	0	0	0	0	0	
9007.9	Sheet Mulch (arbor mulch)	SF	34548	81	845	336	168	635	700	1225	1157	1833	3874	2405	1779	2200	5739	3281	376	226	262	0	0	66	479	222	6659	
9007.1	Soil Prep + Amendments (Stormwater)	SF	22874	1238	2848	2782	2183	1360	324	688	0	716	552	755	1060	1030	562	998	1105	738	1100	1090	1095	650	0	0	0	
9007.11	Sheet Mulch, (rock mulch)	SF	22874	1238	2848	2782	2183	1360	324	688	0	716	552	755	1060	1030	562	998	1105	738	1100	1090	1095	650	0	0	0	
9007.12a	Tree Stakes (R2 Reddstake)	EA	166	5	16	19	12	2	0	0	0	6	10	8	12	22	2	14	12	2	8	7	2	4	2	1	0	
9007.12b	Tree Stakes (Megastake)	EA	84	1	6	5	6	3	1	3	0	7	10	15	2	0	15	0	2	2	0	1	5	0	0	0	0	
9007.13	Soil Fertility Testing	LS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9007.14	Soil Foodweb Testing	LS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9007.15	Landscape Maintenance, 12 Months	LS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	



						//	//	
						//	//	
NO.		REVISION:		DRAWN:	APPROVED:		DATE:	
<div style="display: flex; justify-content: space-between;">  <div> <p>9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230</p> <p>TEL:210.377.3764 FAX:210.377.0622 WWW.URSCORP.COM</p> </div> <p>(FIRM # 3162)</p> </div>								
<div style="display: flex; align-items: center;"> <div style="background-color: blue; color: white; padding: 10px; font-weight: bold; font-size: 2em; margin-right: 10px;">M</div> <div style="background-color: yellow; color: black; padding: 10px; font-weight: bold; font-size: 2em; margin-right: 10px;">I</div> <div style="background-color: gray; color: white; padding: 10px; font-weight: bold; font-size: 2em; margin-right: 10px;">G</div> <div> <p>MOORE IACOFANO GOLTSMAN, INC.</p> <p>800 HEARST AVENUE BERKELEY, CA 94710</p> <p>TEL 510.845-7548 FAX 510.845-8750 www.migcom.com</p> </div> </div>								
<div style="text-align: center;">  <h2 style="margin: 0;">CITY OF SAN ANTONIO</h2> <p style="font-weight: bold; margin: 0;">CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT</p> </div>								
<h3>MARKET STREET REALIGNMENT</h3>								
<h1 style="margin: 0;">LANDSCAPE QUANTITIES SUMMARY</h1>								
SHEET 797 OF 1070								
100% SUBMITTAL		PROJECT NO.:		01858.00-MIG		DATE: 1/02/2013		
DRWN. BY: AM		DSGN. BY: MM/AM		CHKD. BY: JP		SHEET NO: 797		

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

I. STORMWATER POLLUTION PREVENTION-CLEAN WATER ACT SECTION 402

Texas Pollutant Discharge Elimination System (TPDES) TXR 150000: Stormwater Discharge Permit or Construction General Permit (CGP) required for projects with 1 or more acres disturbed soil. Projects with any disturbed soil must protect for erosion and sedimentation in accordance with Item 1122.

☐ No Action Required ☒ Required Action

Action No.

- 1.Prevent stormwater pollution by controlling erosion and sedimentation in accordance with TPDES Permit TXR 150000.
- 2.Comply with the Storm Water Pollution Prevention Plan (SW3P) and revise when necessary to control pollution or required by the Engineer.
- 3.Post Construction Site Notice (CSN) with SW3P information on or near the site, accessible to the public and Texas Commission on Environmental Quality (TCEQ), Environmental Protection Agency (EPA) or other inspectors.
- 4.When Contractor project specific locations (PSL's) increase disturbed soil area to 5 acres or more, Contractor shall submit Notice of Intent (NOI) to TCEQ and the Engineer.
5. NOI required: ☒Yes ☐No

Note: If amount of soil disturbance changes, permit requirements may change.

Phase I San Antonio Municipal Separate Storm Sewer System is an MS4 Operator that may receive discharges from this project. They may need to be notified prior to construction activities.

II. WORK IN OR NEAR STREAMS, WATERBODIES AND WETLANDS CLEAN WATER ACT SECTIONS 401 AND 404

US Army Corps of Engineers (USACE) Permit required for filling, dredging, excavating or other work in any potential USACE jurisdictional water, such as, rivers, creeks, streams, or wetlands.

The Contractor shall adhere to all of the terms and conditions associated with the following permit(s):

- ☒ No Permit Required
- ☐ Nationwide Permit (NWP) 14 - Pre-construction Notice (PCN) not Required
- ☐ Nationwide Permit 14 - PCN Required
- ☐ Individual 404 Permit Required
- ☐ Other Nationwide Permit Required: NWP# _____

Required Actions: List waters of the US permit applies to, location in project and check Best Management Practices (BMPs) planned to control erosion, sedimentation and post-project total suspended solids (TSS).

- 1.
- 2.
- 3.
- 4.

401 Best Management Practices: (Not applicable if no USACE permit)

Erosion

- ☐ Temporary Vegetation
- ☐ Blankets/Matting
- ☐ Mulch
- ☐ Sodding
- ☐ Interceptor Swale
- ☐ Diversion Dike
- ☐ Erosion Control Compost
- ☐ Mulch Filter Berm and Socks
- ☐ Compost Filter Berm and Socks

Sedimentation

- ☐ Silt Fence
- ☐ Rock Berm
- ☐ Triangular Filter Dike
- ☐ Sand Bag Berm
- ☐ Straw Bale Dike
- ☐ Brush Berms
- ☐ Erosion Control Compost
- ☐ Mulch Filter Berm and Socks
- ☐ Compost Filter Berm and Socks
- ☐ Stone Outlet Sediment Traps
- ☐ Sediment Basins

Post-Construction TSS

- ☐ Vegetative Filter Strips
- ☐ Retention/Irrigation Systems
- ☐ Extended Detention Basin
- ☐ Constructed Wetlands
- ☐ Wet Basin
- ☐ Erosion Control Compost
- ☐ Mulch Filter Berm and Socks
- ☐ Compost Filter Berm and Socks
- ☐ Vegetation Lined Ditches
- ☐ Sand Filter Systems
- ☐ Sedimentation Chambers

III. CULTURAL RESOURCES

Cultural resources fall under the Antiquities Code of Texas and/or the National Historic Preservation Act, as amended in 1966. If a previously unidentified achaeological site is encountered during construction work, activities should be immediately stopped in the vicinity and the City Archaeologist (210-207-7306) notified and/or the SHPO.

☐ No Action Required ☒ Required Action

Action No.

- 1.Known Historic Properties adjacent to area of construction site:
 - a) 1040 E. Commerce Street (National Register)
 - b) East of IH-37 on Commerce Street (National Register District)
 - c) West of IH-37 Hemis Fair Locally Designated District and RTHL.
2. Do not encroach upon National Register and Historic District Properties, protected by construction fencing.

IV. VEGETATION RESOURCES

Preserve native vegetation to the extent practical.

☐ No Action Required ☒ Required Action

Action No.

1. Limit distrubance to vegetation to only what is necessary for construction activity, including staging areas. Restore all construction areas to pre-construction conditions.
2. Avoid pruning, cutting or damaging trees within areas designated for protection. Adhere to the Tree Protection and Preservation Plan. Follow tree mitigation requirements for removal of trees and planting of new trees.

V. FEDERAL LISTED, PROPOSED THREATENED, ENDANGERED SPECIES, CRITICAL HABITAT, STATE LISTED SPECIES, CANDIDATE SPECIES AND MIGRATORY BIRDS.

☐ No Action Required ☒ Required Action

Action No.

- 1.MIGRATORY BIRD NESTS: Schedule construction activities as needed to meet the following requirements:
 - A. Do not remove or destroy any active migratory bird nests (nests containing eggs and/or flightless birds) at any time of year. If there are any active nests, they shall not be removed until the nests become inactive.
 - B. On/in structures, if there are any active nests, they shall not be removed until all nests become inactive. After inactive nests are removed and/or before nest activity begins, deterrent materials may be applied to the structures to prevent future nest building.

If any of the listed species are observed, cease work in the immediate area, do not disturb species or habitat and contact the Engineer immediately. The work may not remove active nests from bridges and other structures during nesting season of the birds associated with the nests. If caves or sinkholes are discovered, cease work in the immediated area, and contact the Engineer immediately.

VI. HAZARDOUS MATERIALS OR CONTAMINATION ISSUES

General (applies to all projects):

Comply with the Hazard Communication Act (the Act) for personnel who will be working with hazardous materials by conducting safety meetings prior to beginning construction and making workers aware of potential hazards in the workplace. Ensure that all workers are provided with personal protective equipment appropriate for any hazardous materials used.

Obtain and keep on-site Material Safety Data Sheets (MSDS) for all hazardous products used on the project, which may include, but are not limited to the following categories: Paints, acids, solvents, asphalt products, chemical additives, fuels and concrete curing compounds or additives. Provide protected storage, off bare ground and covered, for products which may be hazardous. Maintain product labelling as required by the Act.

Maintain an adequate supply of on-site spill response materials, as indicated in the MSDS. In the event of a spill, take actions to mitigate the spill as indicated in the MSDS, in accordance with safe work practices, and contact the COSA Engineer immediately. The Contractor shall be responsible for the proper containment and cleanup of all product spills.

Contact the COSA Engineer if any of the follwing are detected:

- * Dead or distressed vegetation (not identified as normal)
- * Trash piles, drums, canister, barrels, etc.
- * Undesirable smells or odors
- * Evidence of leaching or seepage of substances

Hazardous Materials or Contamination Issues Specific to this Project:

☐ No Action Required ☒ Required Action

Action No.

1. Sta. 10+40 to Sta. 11+40 (Please Reference Item 9014)
- 2.
- 3.

Does the project involve the demolition of a span bridge?

☒ Yes ☐ No (No further action required)

If "Yes", then COSA is responsible for completing asbestos assessment/inspection.

VII. OTHER ENVIRONMENTAL ISSUES

(includes regional issues such as Edwards Aquifer District, etc.)

☐ No Action Required ☒ Required Action

Action No.

1. Air Quality: Utilize a combination of watering, chemical stabilization or vehicle speed reduction to minimize and control dust from construction.
- 2.
- 3.

				/	/
				/	/
1	ADDED ENVIRONMENTAL SPECIFICATION NOTE	BAG	DEH	01/18/13	
NO	REVISION	DRAWN	APPROVED	DATE	
CITY OF SAN ANTONIO MARKET STREET REALIGNMENT ENVIRONMENTAL PERMITS, ISSUES AND COMMITMENTS EPIC					
FILE:	epic August 2012.dgn	DN: TxDOT	CK: TxDOT	DW: BW	CK: JAB
© TxDOT	August 2012	CONT	SECT	JOB	HIGHWAY
REVISIONS		DIST		COUNTY	SHEET NO.
					807



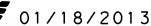
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☒

X - X - X

NOTES

1. SEE OTHER ILLUMINATION LAYOUT SHEETS FOR UNLABELED ILLUMINATION FEATURES.
2. CONTRACTOR MUST FIELD VERIFY ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES. CONTRACTOR TO MAINTAIN 2' CLEARANCE.
3. SERVICE LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY WITH UTILITY BEFORE CONSTRUCTION.
4. ASSUMED 15W ADDITIONAL ENERGY CONSUMPTION BY PROPOSED SINGLE-ARM LED ILLUMINATION ASSEMBLIES FOR SEASONAL LIGHTS AND PHOTOCCELL.



1	9010
	9011
	9011
	9012
	9013

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	COND'T (PVC) (SCHD 40) (2")	COND'T (PVC) (SCHD 80) (2") (BORE
1	P	32	29			32	64	32	0
TOTAL			29	0	0	32	64	32	0

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DN: URS
CK: URS
DW: URS
CK: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	MARKET ST STA	OFFSET	TYPE	WATT	STANDARD TYPE
A8	12+85.12	24.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
A9	12+16.27	24.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
B6	11+57.80	24.04' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
O23	13+19.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O24	12+95.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O25	12+71.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O26	12+47.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O27	12+23.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P22	13+16.38	43.75' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P23	12+98.38	43.75' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P24	12+80.38	43.75' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P25	12+62.38	43.75' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P26	12+44.38	43.75' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P27	12+26.38	43.75' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P28	12+02.38	43.75' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P29	11+73.62	44.25' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P30	11+46.78	44.77' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	24
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	56
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	3
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX30 MODEL, 68W	EA	3
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX48 MODEL, 109W	EA	0
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	14
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	2.46
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	0
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	694
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	0
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	0
620 2011	ELEC CONDR (NO. 8) BARE	LF	694
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1388
624 2007	GROUND BOX TY A (122311)	EA	2
624 2008	GROUND BOX TY A (122311) W / APRON	EA	0
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	0

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

CONDUIT AND CONDUCTOR RUNS								
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")
1	A	14	47			52	104	52
1	A	15	69			76	152	76
1	B	10	116			128	256	128
1	B	11	116			128	256	128
1	B	12	7			8	16	8
1	O	24	25			28	56	28
1	O	25	25			28	56	28
1	O	26	25			28	56	28
1	O	27	25			28	56	28
1	P	24	18			20	40	20
1	P	25	18			20	40	20
1	P	26	18			20	40	20
1	P	27	18			20	40	20
1	P	28	18			20	40	20
1	P	29	24			27	54	27
1	P	30	30			33	66	33
1	P	31	27			30	60	30
TOTAL			626	0	0	694	1388	694
								0

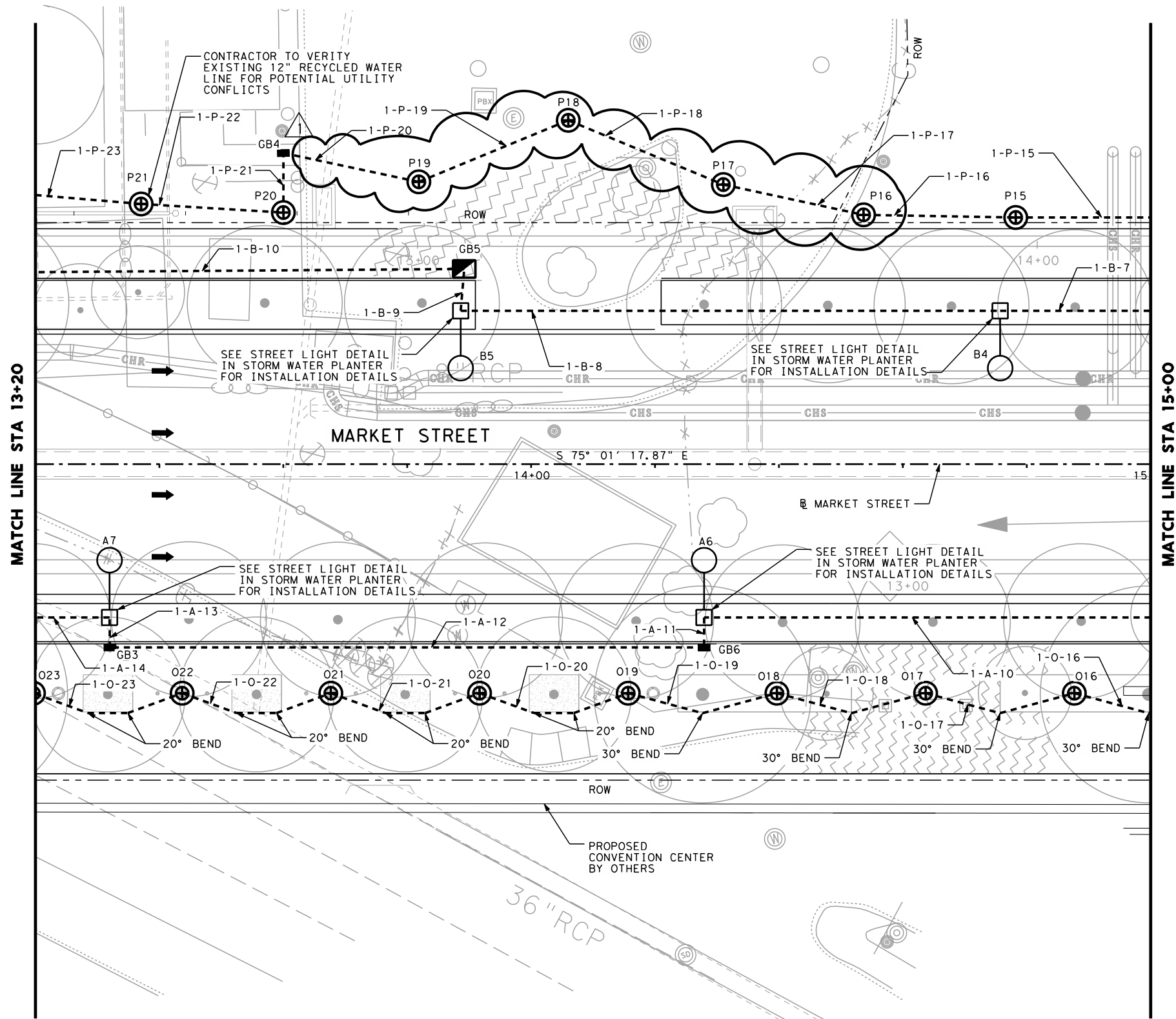


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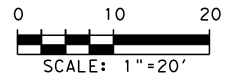
1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 (FIRM # 3162) SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM				
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT MARKET STREET ILLUMINATION LAYOUT STA 11+40 TO STA 13+20 TABLES				
SHEET 3 OF 9				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE: 1/16/2013	
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 816	

DN: URS
CK: URS
DWT: URS
CK: URS

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FILE: ILLUM.02.dgn



SEE MARKET STREET ILLUMINATION LAYOUT
SHEET 5 OF 9 FOR ROADWAY ILLUMINATION
ASSEMBLY SHEET SUMMARY, CONDUIT AND CONDUCTOR
RUNS, AND SUMMARY OF ILLUMINATION QUANTITIES

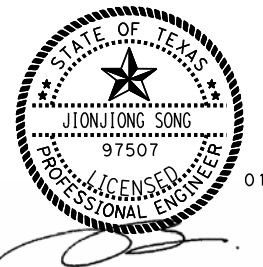


ILLUMINATION LEGEND

- PROPOSED SINGLE-ARM LED ILLUMINATION ASSEMBLY
 - PROPOSED SINGLE-ARM HPS ILLUMINATION ASSEMBLY
 - PROPOSED LED PEDESTRIAN LIGHT
 - PROPOSED LED BOLLARD LIGHT
 - PVC CONDUIT AND WIRING (TRENCH) (REFER TO TABLES FOR QTY, SIZE, AND TYPE OF CONDUIT AND WIRING)
 - PVC CONDUIT AND WIRING (IN BRIDGE AND RETAINING WALL RAIL) (REFER TO TABLES FOR QTY, SIZE, AND TYPE OF CONDUIT AND WIRING)
 - PVC CONDUIT UNDER ROADWAY (BORE) (REFER TO TABLES FOR QTY, SIZE, AND TYPE OF CONDUIT AND WIRING)
 - PROPOSED TYPE A GROUND BOX
 - PROPOSED TYPE A GROUND BOX W/ APRON
 - PROPOSED JUNCTION BOX
 - PROPOSED ELECTRICAL SERVICE
 - TRAFFIC FLOW DIRECTION
- X-X-X
RUN NUMBER
CIRCUIT NUMBER
SERVICE NUMBER

NOTES

- SEE OTHER ILLUMINATION LAYOUT SHEETS FOR UNLABELED ILLUMINATION FEATURES.
- CONTRACTOR MUST FIELD VERIFY ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES. CONTRACTOR TO MAINTAIN 2' CLEARANCE.
- SERVICE LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY WITH UTILITY BEFORE CONSTRUCTION.
- ASSUMED 15W ADDITIONAL ENERGY CONSUMPTION BY PROPOSED SINGLE-ARM LED ILLUMINATION ASSEMBLIES FOR SEASONAL LIGHTS AND PHOTOCCELL.



01/18/2013

1	MOVED LIGHTS P17-P19 & ASSOC. CONDUIT	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 (FIRM # 3162) SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM				
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT MARKET STREET ILLUMINATION LAYOUT STA 13+20 TO STA 15+00				
SHEET 4 OF 9				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE:	1/16/2013
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 817	

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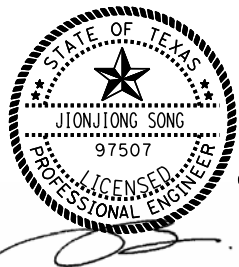
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CK: URS
DW: URS
CK: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	MARKET ST STA	OFFSET	TYPE	WATT	STANDARD TYPE
A6	14+27.91	24.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
A7	13+31.91	24.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
B4	14+75.71	24.75' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
B5	13+88.63	24.75' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
O16	14+87.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O17	14+63.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O18	14+39.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O19	14+15.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O20	13+91.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O21	13+67.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O22	13+43.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P15	14+78.26	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P16	14+53.66	40.25' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P17	14+31.03	45.14' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P18	14+06.00	55.51' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P19	13+81.88	45.58' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P20	13+60.01	40.62' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P21	13+37.05	42.00' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	32
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	56
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	4
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX30 MODEL, 68W	EA	4
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX48 MODEL, 109W	EA	0
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	14
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	3.28
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	0
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	886
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	0
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	0
620 2011	ELEC CONDR (NO. 8) BARE	LF	886
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1772
624 2007	GROUND BOX TY A (122311)	EA	3
624 2008	GROUND BOX TY A (122311) W / APRON	EA	1
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	0

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
1	A	10	96			106	212	106	
1	A	11	5			6	12	6	
1	A	12	96			106	212	106	
1	A	13	5			6	12	6	
1	B	7	93			103	206	103	
1	B	8	88			97	194	97	
1	B	9	7			8	16	8	
1	O	16	25			28	56	28	
1	O	17	25			28	56	28	
1	O	18	25			28	56	28	
1	O	19	25			28	56	28	
1	O	20	26			29	58	29	
1	O	21	26			29	58	29	
1	O	22	26			29	58	29	
1	O	23	26			29	58	29	
1	P	15	24			27	54	27	
1	P	16	25			28	56	28	
1	P	17	23			26	52	26	
1	P	18	27			30	60	30	
1	P	19	26			29	58	29	
1	P	20	22			25	50	25	
1	P	21	10			11	22	11	
1	P	22	23			26	52	26	
1	P	23	21			24	48	24	
TOTAL			795	0	0	886	1772	886	0



01/18/2013

1	MOVED FIX P17-P19; UPDATED No. 9010-9013	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 (FIRM # 3162) SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM				
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT MARKET STREET ILLUMINATION LAYOUT STA 13+20 TO STA 15+00 TABLES				
SHEET 5 OF 9				
100% SUBMITTAL	PROJECT NO.: 40-00300	DATE: 1/16/2013		
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 818	

DN: URS
CK: URS
DW: URS
CK: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	MARKET ST STA	OFFSET	TYPE	WATT	STANDARD TYPE
A4	16+19.91	24.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
A5	15+23.91	24.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
B2	16+54.83	24.75' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
B3	15+68.20	24.75' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
O8	16+79.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O9	16+55.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O10	16+31.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O11	16+07.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O12	15+83.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O13	15+59.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O14	15+35.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O15	15+11.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P7	16+67.68	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P8	16+43.68	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P9	16+19.64	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P10	15+95.64	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P11	15+71.68	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P12	15+47.68	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P13	15+23.68	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P14	15+02.16	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	32
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	64
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	4
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX30 MODEL, 68W	EA	4
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX48 MODEL, 109W	EA	0
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	16
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	3.28
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	0
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	749
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	0
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	0
620 2011	ELEC CONDR (NO. 8) BARE	LF	762
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1524
624 2007	GROUND BOX TY A (122311)	EA	4
624 2008	GROUND BOX TY A (122311) W / APRON	EA	0
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	0

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
1	A	6	96			106	212	106	
1	A	7	5			12	24	6	
1	A	8	96			106	212	106	
1	A	9	5			6	12	6	
1	B	4	6			14	28	7	
1	B	5	87			96	192	96	
1	B	6	6			7	14	7	
1	O	9	25			28	56	28	
1	O	10	25			28	56	28	
1	O	11	26			29	58	29	
1	O	12	26			29	58	29	
1	O	13	26			29	58	29	
1	O	14	26			29	58	29	
1	O	15	26			29	58	29	
1	P	7	24			27	54	27	
1	P	8	24			27	54	27	
1	P	9	24			27	54	27	
1	P	10	24			27	54	27	
1	P	11	24			27	54	27	
1	P	12	24			27	54	27	
1	P	13	24			27	54	27	
1	P	14	22			25	50	25	
TOTAL			671	0	0	762	1524	749	0



01/18/2013

1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 (FIRM # 3162) SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM				
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT MARKET STREET ILLUMINATION LAYOUT STA 15+00 TO STA 16+80 TABLES				
SHEET 7 OF 9				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE: 1/16/2013	
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 820	

DATE: 1/16/2013 11:16:55 AM
FILE: ILLUM_03a.dgn

DN: URS
CK: URS
DW: URS
CK: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	MARKET ST STA	OFFSET	TYPE	WATT	STANDARD TYPE
A1	18+82.44	31.50' R	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
A2	18+12.14	24.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
A3	17+15.89	24.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
B1	17+63.71	24.75' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
O1	18+47.67	37.60' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O2	18+23.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O3	17+99.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O4	17+75.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O5	17+51.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O6	17+27.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
O7	17+03.68	36.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P1	18+11.68	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P2	17+87.68	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P3	17+63.64	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P4	17+39.68	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P5	17+15.64	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
P6	16+91.64	39.82' L	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	32
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	52
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	4
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX30 MODEL, 68W	EA	3
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX48 MODEL, 109W	EA	1
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	13
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	2.46
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	0
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	1033
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	0
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	0
620 2011	ELEC CONDR (NO. 8) BARE	LF	1370
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	2740
624 2007	GROUND BOX TY A (122311)	EA	4
624 2008	GROUND BOX TY A (122311) W / APRON	EA	1
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	0

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

CONDUIT AND CONDUCTOR RUNS								
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")
1	A	1	16			36	72	18
1	A	2	56			62	124	62
1	A	3	5			12	24	6
1	A	4	97			107	214	107
1	A	5	5			12	24	6
1	B	1	78			86	172	86
1	B	2	6			14	28	7
1	B	3	109			120	240	120
1	O	1	21			24	48	24
1	O	2	25			28	56	28
1	O	3	26			29	58	29
1	O	4	26			29	58	29
1	O	5	26			29	58	29
1	O	6	26			29	58	29
1	O	7	25			28	56	28
1	O	8	25			28	56	28
1	P	1	32			36	72	36
1	P	2	24			27	54	27
1	P	3	24			27	54	27
1	P	4	24			27	54	27
1	P	5	24			27	54	27
1	P	6	24			27	54	27
1	ABC	1	33			111	222	37
1	OPQ	1	33			111	222	37
1	BC	1	69			152	304	76
1	PQ	1	69			152	304	76
TOTAL				0	0	1370	2740	1033
								0



01/18/2013

1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 (FIRM # 3162) SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM				
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT MARKET STREET ILLUMINATION LAYOUT STA 16+80 TO END OF MARKET ST TABLES				
SHEET 9 OF 9				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE: 1/16/2013	
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 822	

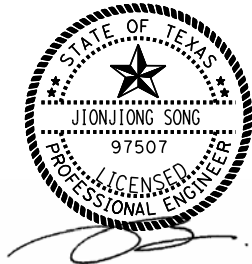
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FILE: ILLUM_04a.dgn

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY						
FIXT NO	COMMERCE ST STA	OFFSET	TYPE	WATT	STANDARD TYPE	
I1	12+86.38	26.25' L	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR	
T16	13+89.41	55.28' R	LED	8	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	
T17	13+77.10	55.29' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	
T18	13+65.17	55.22' R	LED	8	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
3	I	2	108			119	238	119	
3	T	18	12			14	28	14	
3	T	19	13			15	30	15	
3	T	20	12			14	28	14	
TOTAL			145	0	0	162	324	162	0

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	8
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	4
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	6
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	1
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX30 MODEL, 68W	EA	0
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX48 MODEL, 109W	EA	1
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	1
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	2
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	0
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	0
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	162
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	0
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	0
620 2011	ELEC CONDR (NO. 8) BARE	LF	162
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	324
624 2007	GROUND BOX TY A (122311)	EA	1
624 2008	GROUND BOX TY A (122311) W / APRON	EA	0
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	0

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.



01/18/2013

				1/1
1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
<div><div>URS</div><div>9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM</div><div>(FIRM # 3162)</div></div>				
<div><div></div><div>CITY OF SAN ANTONIO</div><div>CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT</div></div>				
MARKET STREET REALIGNMENT COMMERCE STREET ILLUMINATION LAYOUT STA 11+80 TO STA 14+00 TABLES				
SHEET 3 OF 7				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE: 1/16/2013	
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 825	

DATE: 1/16/2013 11:17:06 AM
FILE: ILLUM_07a.dgn

DN: URS
CK: URS
DW: URS
CK: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	COMMERCE ST STA	OFFSET	TYPE	WATT	STANDARD TYPE
J1	15+35.34	26.41' L	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
K1	15+99.09	38.43' R	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
T1	15+69.10	55.29' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
T2	15+57.41	55.29' R	LED	8	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT
T3	15+45.10	55.29' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
T4	15+33.41	55.29' R	LED	8	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT
T5	15+21.10	55.29' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
T6	15+09.41	55.29' R	LED	8	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT
T7	14+97.10	55.29' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
T8	14+85.41	55.29' R	LED	8	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT
T9	14+73.10	55.29' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
T10	14+61.41	55.29' R	LED	8	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT
T11	14+49.10	55.29' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
T12	14+37.41	55.29' R	LED	8	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT
T13	14+25.10	55.29' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
T14	14+13.41	55.29' R	LED	8	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT
T15	14+01.10	55.29' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
3	I	1	123			136	272	136	
3	J	1	20			22	44	22	
3	K	1	65			72	144		72
3	K	2	83			92	184	92	
3	K	3	45			50	100	50	
3	T	1	8			9	18	9	
3	T	2	65			72	144		72
3	T	3	55			61	122	61	
3	T	4	12			14	28	14	
3	T	5	13			15	30	15	
3	T	6	12			14	28	14	
3	T	7	13			15	30	15	
3	T	8	12			14	28	14	
3	T	9	13			15	30	15	
3	T	10	12			14	28	14	
3	T	11	13			15	30	15	
3	T	12	12			14	28	14	
3	T	13	13			15	30	15	
3	T	14	12			14	28	14	
3	T	15	13			15	30	15	
3	T	16	12			14	28	14	
3	T	17	13			15	30	15	
3	IJK	1	8			27	54	9	
TOTAL			647	0	0	744	1488	582	144

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	16
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	32
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	21
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	2
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX30 MODEL, 68W	EA	0
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX48 MODEL, 109W	EA	2
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	8
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	7
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	0.82
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	0
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	582
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	144
620 2009	ELEC CONDR (NO. 6) BARE	LF	0
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	0
620 2011	ELEC CONDR (NO. 8) BARE	LF	744
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1488
624 2007	GROUND BOX TY A (122311)	EA	1
624 2008	GROUND BOX TY A (122311) W / APRON	EA	1
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	1
XXXX	JUNCTION BOX*	EA	1

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.



01/18/2013

				1/1
1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 (FIRM # 3162) SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM				
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT COMMERCE STREET ILLUMINATION LAYOUT STA 14+00 TO STA 16+20 TABLES				
SHEET 5 OF 7				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE:	1/16/2013
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 827	

DATE: 1/16/2013 11:17:10 AM
FILE: ILLUM_08a.dgn

DN: URS
CK: URS
DW: URS
CK: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	COMMERCE ST STA	OFFSET	TYPE	WATT	STANDARD TYPE
K2	16+79.07	36.15' R	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
K3	16+46.36	28.61' L	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
3	K	4	57			63	126		63
3	K	5	14			16	32	16	
3	K	6	5			6	12	6	
3	K	7	72			80	160		80
3	K	8	5			6	12	6	
TOTAL				0	0	171	342	28	143

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	16
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	0
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	2
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX30 MODEL, 68W	EA	0
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX48 MODEL, 109W	EA	2
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	0
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	0
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	0
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	28
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	143
620 2009	ELEC CONDR (NO. 6) BARE	LF	0
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	0
620 2011	ELEC CONDR (NO. 8) BARE	LF	171
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	342
624 2007	GROUND BOX TY A (122311)	EA	4
624 2008	GROUND BOX TY A (122311) W / APRON	EA	0
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	0

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

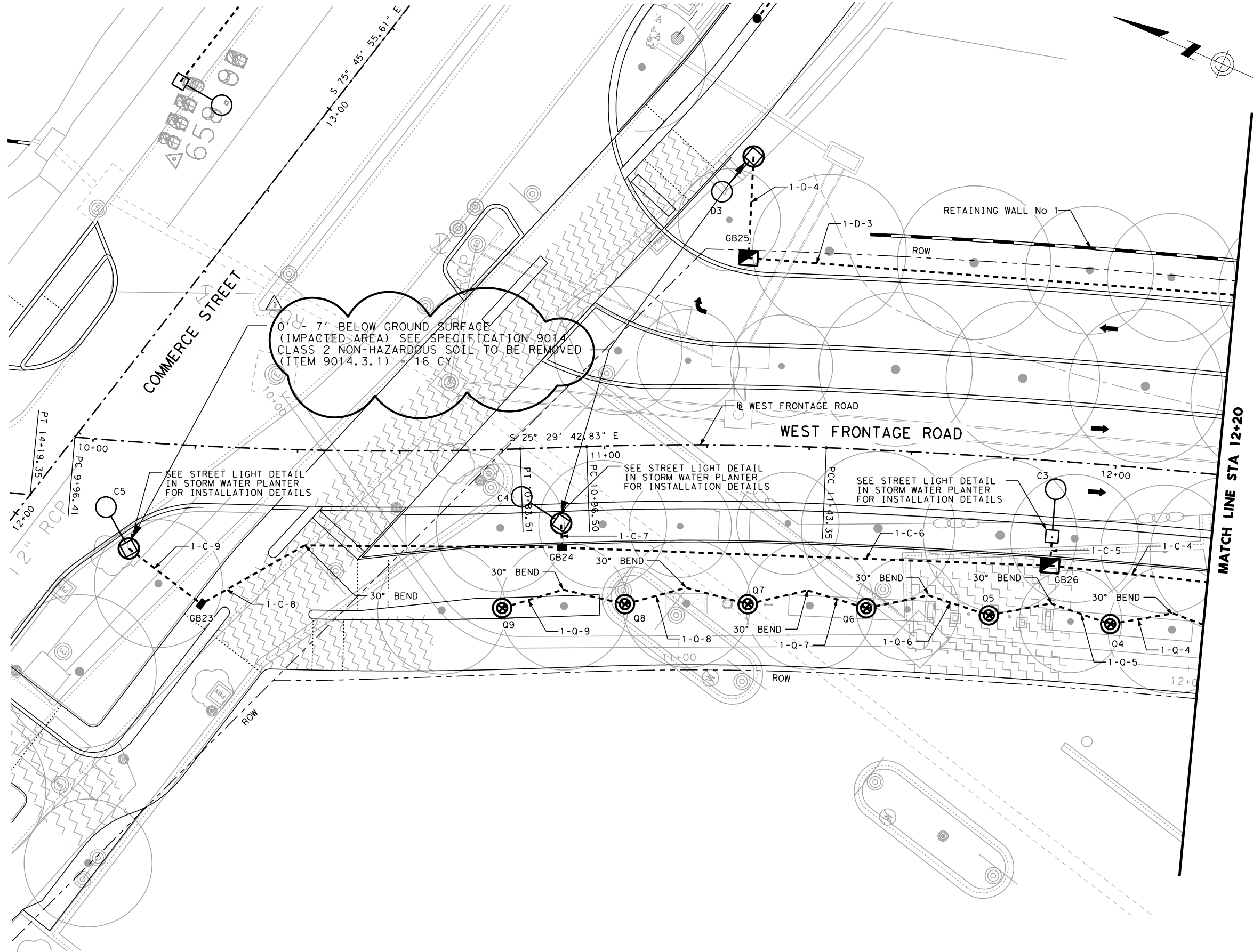


01/18/2013

				1/1
1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 (FIRM # 3162) SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM				
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT COMMERCE STREET ILLUMINATION LAYOUT				
STA 16+20 TO END OF COMMERCE ST TABLES				
SHEET 7 OF 7				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE:	1/16/2013
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 829	

DN: URS
CK: URS
DW: URS
CK: URS

DATE: 1/16/2013 11:17:18 AM
FILE: ILLUM_09.dgn



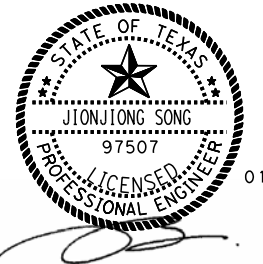
ILLUMINATION LEGEND

- PROPOSED SINGLE-ARM LED ILLUMINATION ASSEMBLY
- PROPOSED SINGLE-ARM HPS ILLUMINATION ASSEMBLY
- PROPOSED LED PEDESTRIAN LIGHT
- PROPOSED LED BOLLARD LIGHT
- PVC CONDUIT AND WIRING (TRENCH) (REFER TO TABLES FOR QTY, SIZE, AND TYPE OF CONDUIT AND WIRING)
- PVC CONDUIT AND WIRING (IN BRIDGE AND RETAINING WALL RAIL) (REFER TO TABLES FOR QTY, SIZE, AND TYPE OF CONDUIT AND WIRING)
- PVC CONDUIT UNDER ROADWAY (BORE) (REFER TO TABLES FOR QTY, SIZE, AND TYPE OF CONDUIT AND WIRING)
- PROPOSED TYPE A GROUND BOX
- PROPOSED TYPE A GROUND BOX W/ APRON
- PROPOSED JUNCTION BOX
- PROPOSED ELECTRICAL SERVICE
- TRAFFIC FLOW DIRECTION

X-X-X
RUN NUMBER
CIRCUIT NUMBER
SERVICE NUMBER

NOTES

- SEE OTHER ILLUMINATION LAYOUT SHEETS FOR UNLABELED ILLUMINATION FEATURES.
- CONTRACTOR MUST FIELD VERIFY ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES. CONTRACTOR TO MAINTAIN 2' CLEARANCE.
- SERVICE LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY WITH UTILITY BEFORE CONSTRUCTION.
- ASSUMED 15W ADDITIONAL ENERGY CONSUMPTION BY PROPOSED SINGLE-ARM LED ILLUMINATION ASSEMBLIES FOR SEASONAL LIGHTS AND PHOTOCCELL.



01/18/2013

SEE WEST FRONTAGE ROAD ILLUMINATION LAYOUT SHEET 2 OF 26 FOR ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY, CONDUIT AND CONDUCTOR RUNS, AND SUMMARY OF ILLUMINATION QUANTITIES

1	ADDED SS 9014 SOIL REMOVAL	A.E.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 (FIRM # 3162) SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM				
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD ILLUMINATION LAYOUT BEGIN TO STA 12+20				
SHEET 1 OF 26				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE:	1/16/2013
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 830	

DN: URS
CK: URS
DW: URS
CK: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	W FRONTAGE RD STA	OFFSET	TYPE	WATT	STANDARD TYPE
C3	11+88.62	14.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
C4	10+91.02	14.75' R	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
C5	10+08.45	20.88' R	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
D3	11+28.12	56.45' L	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
Q4	12+01.48	30.96' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
Q5	11+77.19	31.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
Q6	11+52.67	31.00' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
Q7	11+28.56	31.06' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
Q8	11+03.28	31.00' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
Q9	10+79.12	31.00' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	32
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	24
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	4
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX30 MODEL, 68W	EA	1
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX48 MODEL, 109W	EA	3
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	6
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	2.46
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	0
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	539
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	0
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	0
620 2011	ELEC CONDR (NO. 8) BARE	LF	552
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1104
624 2007	GROUND BOX TY A (122311)	EA	2
624 2008	GROUND BOX TY A (122311) W / APRON	EA	2
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	0

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
1	C	5	6			14	28	7	
1	C	6	96			106	212	106	
1	C	7	5			12	24	6	
1	C	8	74			82	164	82	
1	C	9	18			20	40	20	
1	D	3	117			129	258	129	
1	D	4	20			22	44	22	
1	Q	4	25			28	56	28	
1	Q	5	25			28	56	28	
1	Q	6	25			28	56	28	
1	Q	7	24			27	54	27	
1	Q	8	25			28	56	28	
1	Q	9	25			28	56	28	
TOTAL			485	0	0	552	1104	539	0



01/18/2013

1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 (FIRM # 3162) SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM				
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD ILLUMINATION LAYOUT BEGIN TO STA 12+20 TABLES				
SHEET 2 OF 26				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE: 1/16/2013	
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 831	

DATE: 1/16/2013 11:17:23 AM
FILE: ILLUM_09a.dgn

DN: URS
CK: URS
DW: URS
CK: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	W FRONTAGE RD STA	OFFSET	TYPE	WATT	STANDARD TYPE
C1	13+12.93	28.68' R	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
C2	12+86.21	14.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
D1	13+09.65	34.91' L	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
D2	12+40.20	37.05' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
E1	14+35.25	16.30' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F1	14+13.10	31.75' L	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
Q1	12+75.02	30.98' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
Q2	12+50.51	31.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
Q3	12+25.99	31.03' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R1	14+23.52	30.03' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	48
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	16
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	6
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX30 MODEL, 68W	EA	3
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX48 MODEL, 109W	EA	3
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	4
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	1.64
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	0
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	686
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	89
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	178
620 2011	ELEC CONDR (NO. 8) BARE	LF	755
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1510
624 2007	GROUND BOX TY A (122311)	EA	4
624 2008	GROUND BOX TY A (122311) W / APRON	EA	1
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	1
XXXX	JUNCTION BOX*	EA	0

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
1	C	1	12			14	28	14	
1	C	2	29			32	64	32	
1	C	3	12			14	28	14	
1	C	4	96			106	212	106	
1	D	1	98			108	216	108	
1	D	2	72			80	160	80	
1	E	1	20			22	44	22	
1	E	2	10			22	44	11	
1	F	1	12			14	28	14	
1	Q	1	33			37	74	37	
1	Q	2	25			28	56	28	
1	Q	3	25			28	56	28	
1	R	1	40	44	88			44	
1	R	2	14	16	32			16	
1	R	3	26	29	58			29	
1	DEF	1	40			132	264	44	
1	DF	1	53			118	236	59	
TOTAL			617	89	178	755	1510	686	0



01/18/2013

DATE: 1/16/2013 11:17:27 AM
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				1/1
1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM		(FIRM # 3162)		
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD ILLUMINATION LAYOUT STA 12+20 TO STA 14+40 TABLES				
SHEET 4 OF 26				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE:	1/16/2013
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 833	

DN: URS
CK: URS
DW: URS
CK: URS
DN: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY						
FIXT NO	W FRONTAGE RD STA	OFFSET	TYPE	WATT	STANDARD TYPE	
E2	15+34.33	14.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR	
E3	16+30.37	14.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR	
F2	14+82.28	26.71' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR	
F3	15+82.15	24.91' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR	
R2	14+48.32	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	
R3	14+72.54	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	
R4	14+97.02	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	
R5	15+21.20	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	
R6	15+45.89	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	
R7	15+70.19	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	
R8	15+94.59	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	
R9	16+18.62	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	
R10	16+42.86	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	
	SB EXIT RAMP STA					
G11	10+54.39	12.62' R	HPS	250	INS RD IL AM (TY SA) 40T-6 (.25KW) S	
G10	12+34.65	8.59' R	HPS	250	INS RD IL AM (TY SA) 40S-6 (.25KW) S	

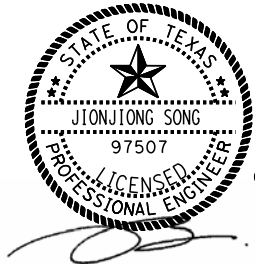
SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	32
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	36
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	4
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX30 MODEL, 68W	EA	4
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX48 MODEL, 109W	EA	0
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	9
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	8
420 2013	CL C CONC (MISC)	CY	1.64
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	1
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	1
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	1016
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	253
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	506
620 2011	ELEC CONDR (NO. 8) BARE	LF	763
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1526
624 2007	GROUND BOX TY A (122311)	EA	3
624 2008	GROUND BOX TY A (122311) W / APRON	EA	0
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	1**

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

**INCLUDES JUNCTION BOXES FOR CONNECTION FROM RAIL TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
1	E	3	98			108	216	108	
1	E	4	4			5	10	5	
1	E	5	96			106	212	106	
1	E	6	28			31	62	31	
1	F	2	71			79	158	79	
1	F	3	102			113	226	113	
1	F	4	104			115	230	115	
1	R	4	25	28	56			28	
1	R	5	25	28	56			28	
1	R	6	25	28	56			28	
1	R	7	26	29	58			29	
1	R	8	25	28	56			28	
1	R	9	25	28	56			28	
1	R	10	25	28	56			28	
1	R	11	25	28	56			28	
1	R	12	25	28	56			28	
5	G	14	115*			127	254	127	
5	G	15	71			79	158	79	
TOTAL			915	253	506	763	1526	1016	0

*INCLUDES ADDITIONAL 4' CONDUIT FROM RAILING TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.



01/18/2013

1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL: 210. 377. 3764 FAX: 210. 377. 0622 WWW.URSCORP.COM		(FIRM # 3162)		
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD ILLUMINATION LAYOUT STA 14+40 TO STA 16+60 TABLES				
SHEET 6 OF 26				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE: 1/16/2013	
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 835	

DATE: 1/16/2013 11:17:30 AM
FILE: ILLUM_11a.dgn

DN: URS
CK: URS
DW: URS
CK: URS
DN: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	W FRONTAGE RD STA	OFFSET	TYPE	WATT	STANDARD TYPE
E4	17+26.95	14.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
E5	18+24.62	14.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F4	16+83.48	27.62' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F5	17+80.48	32.03' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
R11	16+66.95	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R12	16+91.55	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R13	17+15.65	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R14	17+40.15	30.05' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R15	17+64.79	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R16	17+88.57	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R17	18+12.83	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R18	18+36.86	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R19	18+61.61	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
	SB EXIT RAMP STA				
G9	14+15.56	8.50' R	HPS	250	INS RD IL AM (TY SA) 40S-6 (.25KW) S

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	32
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	36
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	4
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX30 MODEL, 68W	EA	4
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX48 MODEL, 109W	EA	0
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	9
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	1.64
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	1
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	1022
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	256
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	512
620 2011	ELEC CONDR (NO. 8) BARE	LF	766
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1532
624 2007	GROUND BOX TY A (122311)	EA	0
624 2008	GROUND BOX TY A (122311) W / APRON	EA	1
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	1**

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.
**INCLUDES JUNCTION BOXES FOR CONNECTION FROM RAIL TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
1	E	7	86				95	95	
1	E	8	26				29	58	
1	E	9	97				107	214	
1	E	10	97				107	214	
1	F	5	100				110	220	
1	F	6	103				114	228	
1	R	13	26	29	58			29	
1	R	14	25	28	56			28	
1	R	15	26	29	58			29	
1	R	16	26	29	58			29	
1	R	17	25	28	56			28	
1	R	18	25	28	56			28	
1	R	19	25	28	56			28	
1	R	20	26	29	58			29	
1	R	21	25	28	56			28	
5	G	13	185*			204	408	204	
TOTAL			923	256	512	766	1532	1022	0

*INCLUDES ADDITIONAL 4' CONDUIT FROM RAILING TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.



01/18/2013

1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM		(FIRM # 3162)		
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD ILLUMINATION LAYOUT STA 16+60 TO STA 18+80 TABLES				
SHEET 8 OF 26				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE: 1/16/2013	
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 837	

DATE: 1/16/2013 11:17:34 AM
FILE: ILLUM_12a.dgn

DN: URS
CK: URS
DW: URS
CK: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	W FRONTAGE RD STA	OFFSET	TYPE	WATT	STANDARD TYPE
E6	19+22.25	14.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
E7	20+25.48	16.20' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F6	18+81.09	34.90' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F7	19+77.72	34.94' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F8	20+86.39	24.86' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
R20	18+85.91	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R21	19+09.96	29.99' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R22	19+34.08	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R23	19+58.26	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R24	19+82.45	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R25	20+07.09	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R26	20+31.73	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R27	20+55.63	30.03' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R28	20+79.75	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
	SB EXIT RAMP STA				
G8	15+94.80	8.50' R	HPS	250	INS RD IL AM (TY SA) 40S-6 (.25KW) S

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
1	E	11	29			32	64	32	
1	E	12	80			88	176	88	
1	E	13	28			31	62	31	
1	E	14	91			101	202	101	
1	F	7	99			109	218	109	
1	F	8	111			123	246	123	
1	R	22	25	28	56			28	
1	R	23	25	28	56			28	
1	R	24	25	28	56			28	
1	R	25	25	28	56			28	
1	R	26	26	29	58			29	
1	R	27	26	29	58			29	
1	R	28	25	28	56			28	
1	R	29	25	28	56			28	
1	R	30	25	28	56			28	
5	G	11	184*			203	406	203	
5	G	12	184*			203	406	203	
TOTAL			1033	254	508	890	1780	1144	0

*INCLUDES ADDITIONAL 4' CONDUIT FROM RAILING TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	40
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	36
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	5
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX30 MODEL, 68W	EA	5
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX48 MODEL, 109W	EA	0
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	9
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	1.64
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	1
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	1144
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	254
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	508
620 2011	ELEC CONDR (NO. 8) BARE	LF	890
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1780
624 2007	GROUND BOX TY A (122311)	EA	1
624 2008	GROUND BOX TY A (122311) W / APRON	EA	1
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	1**

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

**INCLUDES JUNCTION BOXES FOR CONNECTION FROM RAIL TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.



01/18/2013

DATE: 1/16/2013 11:17:38 AM
FILE: ILLUM_13a.dgn

				///
1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM		(FIRM # 3162)		
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD ILLUMINATION LAYOUT STA 18+80 TO STA 21+00 TABLES				
SHEET 10 OF 26				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE: 1/16/2013	
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 839	

DN: URS
CK: URS
DW: URS
CK: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	W FRONTAGE RD STA	OFFSET	TYPE	WATT	STANDARD TYPE
E8	21+16.32	16.00' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
E9	21+96+00	43.42' R	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
E10	22+67.02	30.28' R	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F9	21+78.85	25.70' L	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F10	22+59.38	25.87' L	LED	109	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
R29	21+04.05	30.00' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R30	21+28.93	30.04' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R31	21+52.99	29.99' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
	SB EXIT RAMP STA				
G7	17+74.51	8.50' R	HPS	250	INS RD IL AM (TY SA) 40S-6 (.25KW) S

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	40
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	12
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	5
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX30 MODEL, 68W	EA	1
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX48 MODEL, 109W	EA	4
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	3
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	0.82
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	1
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	1003
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	253
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	506
620 2011	ELEC CONDR (NO. 8) BARE	LF	750
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1500
624 2007	GROUND BOX TY A (122311)	EA	2
624 2008	GROUND BOX TY A (122311) W / APRON	EA	2
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	1**

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

**INCLUDES JUNCTION BOXES FOR CONNECTION FROM RAIL TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
1	E	15	28			31	62	31	
1	E	16	64			71	142	71	
1	E	17	74			82	164	82	
1	E	18	53			59	118	59	
1	F	9	93			103	206	103	
1	F	10	80			88	176	88	
1	F	11	102			113	226	113	
1	R	31	26	29	58			29	
1	R	32	25	28	56			28	
1	R	33	40	44	88			44	
1	R	34	55	61	122			61	
1	R	35	82	91	182			91	
5	G	10	184*			203	406	203	
TOTAL			906	253	506	750	1500	1003	0

*INCLUDES ADDITIONAL 4' CONDUIT FROM RAILING TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.



01/18/2013

				1/1
1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM		(FIRM # 3162)		
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD ILLUMINATION LAYOUT STA 21+00 TO STA 23+20 TABLES				
SHEET 12 OF 26				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE:	1/16/2013
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 841	

DN: URS
CK: URS
DW: URS
CK: URS
CK: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	W FRONTAGE RD STA	OFFSET	TYPE	WATT	STANDARD TYPE
E11	23+26.18	14.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
E12	24+22.10	14.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
E13	25+17.56	14.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F11	23+62.14	30.98' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F12	24+69.58	15.25' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
R32	23+26.15	30.04' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R33	23+49.94	30.03' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R34	23+73.74	30.03' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R35	23+97.71	30.03' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R36	24+21.50	30.03' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R37	24+45.05	30.06' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R38	24+68.74	30.04' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R39	24+92.35	30.05' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R40	25+15.98	30.04' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R41	25+39.61	30.03' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
	SB EXIT RAMP STA				
G5	21+34.52	8.5' R	HPS	250	INS RD IL AM (TY SA) 40S-6 (.25KW) S
G6	19+54.45	8.5' R	HPS	250	INS RD IL AM (TY SA) 40S-6 (.25KW) S

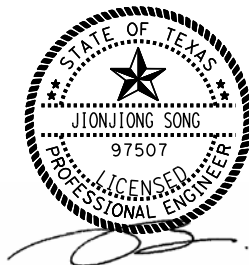
CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
1	E	19	28			31	62	31	
1	E	20	97			107	214	107	
1	E	21	96			106	212	106	
1	F	12	108			119	238	119	
1	F	13	95			105	210	105	
1	R	36	25	28	56			28	
1	R	37	25	28	56			28	
1	R	38	25	28	56			28	
1	R	39	25	28	56			28	
1	R	40	25	28	56			28	
1	R	41	25	28	56			28	
1	R	42	25	28	56			28	
1	R	43	25	28	56			28	
1	R	44	25	28	56			28	
5	G	9	184*			203	406	203	
TOTAL			833	252	504	671	1342	923	0

*INCLUDES ADDITIONAL 4' CONDUIT FROM RAILING TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	40
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	40
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	5
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX30 MODEL, 68W	EA	5
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX48 MODEL, 109W	EA	0
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	10
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	2.46
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	2
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	923
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	252
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	504
620 2011	ELEC CONDR (NO. 8) BARE	LF	671
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1342
624 2007	GROUND BOX TY A (122311)	EA	0
624 2008	GROUND BOX TY A (122311) W / APRON	EA	0
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	2**

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

**INCLUDES JUNCTION BOXES FOR CONNECTION FROM RAIL TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.



01/18/2013

			1/1
1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S. 1/18/13
NO	REVISION	DRAWN	APPROVED DATE
URS 9901 IH10 WEST, SUITE 350 (FIRM # 3162) SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM			
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT			
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD ILLUMINATION LAYOUT STA 23+20 TO STA 25+40 TABLES			
SHEET 14 OF 26			
100% SUBMITTAL	PROJECT NO.: 40-00300	DATE: 1/16/2013	
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 843

DN: URS
CK: URS
DW: URS
CK: URS

DATE: 1/16/2013 11:17:50 AM
FILE: ILLUM_16a.dgn

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	W FRONTAGE RD STA	OFFSET	TYPE	WATT	STANDARD TYPE
E14	26+15.05	14.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
E15	27+08.39	14.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F13	25+65.33	15.06' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F14	26+59.04	15.72' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F15	27+54.91	14.80' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
R42	25+63.24	30.04' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R43	25+86.87	30.03' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R44	26+10.50	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R45	26+34.12	30.07' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R46	26+57.75	30.08' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R47	26+81.38	30.05' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R48	27+05.33	30.00' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R49	27+29.33	30.02' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R50	27+53.33	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
	SB EXIT RAMP STA				
G4	23+14.72	8.50' R	HPS	250	INS RD IL AM (TY SA) 40S-6 (.25KW) S

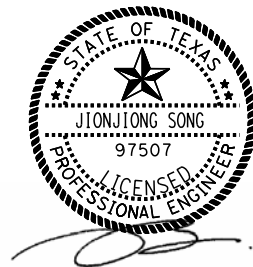
SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	40
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	36
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	5
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX30 MODEL, 68W	EA	5
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX48 MODEL, 109W	EA	0
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	9
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	1.64
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	1
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	879
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	252
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	504
620 2011	ELEC CONDR (NO. 8) BARE	LF	627
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1254
624 2007	GROUND BOX TY A (122311)	EA	0
624 2008	GROUND BOX TY A (122311) W / APRON	EA	0
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	1**

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

**INCLUDES JUNCTION BOXES FOR CONNECTION FROM RAIL TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
1	E	22	99			109	218	109	
1	E	23	94			104	208	104	
1	F	14	93			103	206	103	
1	F	15	96			106	212	106	
1	R	45	25	28	56			28	
1	R	46	25	28	56			28	
1	R	47	25	28	56			28	
1	R	48	25	28	56			28	
1	R	49	25	28	56			28	
1	R	50	25	28	56			28	
1	R	51	25	28	56			28	
1	R	52	25	28	56			28	
1	R	53	25	28	56			28	
5	G	8	186*			205	410	205	
TOTAL			793	252	504	627	1254	879	0

*INCLUDES ADDITIONAL 4' CONDUIT FROM RAILING TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.



01/18/2013

				1/1
1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM		(FIRM # 3162)		
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD ILLUMINATION LAYOUT STA 25+40 TO STA 27+60 TABLES				
SHEET 16 OF 26				
100% SUBMITTAL	PROJECT NO.: 40-00300	DATE: 1/16/2013		
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 845	

DN: URS
CK: URS
DN: URS
CK: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	W FRONTAGE RD STA	OFFSET	TYPE	WATT	STANDARD TYPE
F16	28+51.62	14.71' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
F17	29+45.80	14.24' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
N9	28+97.93	15.42' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
N10	28+22.63	15.73' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
R51	28+26.01	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R52	28+50.01	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R53	28+74.02	30.01' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R54	28+98.01	29.76' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R55	29+21.96	29.14' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
R56	29+45.97	28.14' R	LED	55	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT
	SB EXIT RAMP STA				
G3	24+96.02	8.50' R	HPS	250	INS RD IL AM (TY SA) 40S-6 (.25KW) S

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	32
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	24
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	4
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX30 MODEL, 68W	EA	4
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD--GLX48 MODEL, 109W	EA	0
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	6
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	1.64
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	1
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	975
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	221
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	442
620 2011	ELEC CONDR (NO. 8) BARE	LF	754
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1508
624 2007	GROUND BOX TY A (122311)	EA	1
624 2008	GROUND BOX TY A (122311) W / APRON	EA	0
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	1**

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

**INCLUDES JUNCTION BOXES FOR CONNECTION FROM RAIL TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
1	F	16	97			107	214	107	
1	F	17	95			105	210	105	
1	R	54	73	81	162			81	
1	R	55	25	28	56			28	
1	R	56	25	28	56			28	
1	R	57	25	28	56			28	
1	R	58	25	28	56			28	
1	R	59	25	28	56			28	
2	N	10	98			108	216	108	
2	N	11	76			84	168	84	
5	G	5	96			106	212	106	
5	G	6	35			39	78	39	
5	G	7	186*			205	410	205	
TOTAL			881	221	442	754	1508	975	0

*INCLUDES ADDITIONAL 4' CONDUIT FROM RAILING TO ILLUMINATION ASSEMBLY ON SB EXIT RAMP. SEE TXDOT STANDARD BL.



01/18/2013

				1/1
1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM		(FIRM # 3162)		
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD ILLUMINATION LAYOUT STA 27+60 TO STA 29+80 TABLES				
SHEET 18 OF 26				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE:	1/16/2013
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 847	

DN: URS
CK: URS
DWT: URS
CK: URS

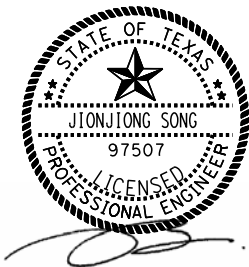
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ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	W FRONTAGE RD STA	OFFSET	TYPE	WATT	STANDARD TYPE
N6	31+87.60	3.76' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
N7	30+90.64	6.72' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
N8	29+94.68	10.12' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
	SB EXIT RAMP STA				
G2	26+29.59	20.50' L	HPS	250	INS RD IL AM (TY SA) 40T-6 (.25KW) S

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	24
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	0
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	3
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX30 MODEL, 68W	EA	3
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX48 MODEL, 109W	EA	0
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	0
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	8
420 2013	CL C CONC (MISC)	CY	2.46
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	0
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	1
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	472
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	36
620 2009	ELEC CONDR (NO. 6) BARE	LF	0
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	0
620 2011	ELEC CONDR (NO. 8) BARE	LF	508
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1016
624 2007	GROUND BOX TY A (122311)	EA	1
624 2008	GROUND BOX TY A (122311) W / APRON	EA	1
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	0

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
2	N	8	97			107	214	107	
2	N	9	97			107	214	107	
5	G	2	227			250	500	250	
5	G	3	7			8	16	8	
5	G	4	32			36	72		36
TOTAL			460	0	0	508	1016	472	36



01/18/2013

				///
1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM		(FIRM # 3162)		
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD ILLUMINATION LAYOUT STA 29+80 TO STA 32+00 TABLES				
SHEET 20 OF 26				
100% SUBMITTAL	PROJECT NO.:	40-00300	DATE: 1/16/2013	
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 849	

DN: URS
CK: URS
DW: URS
CK: URS

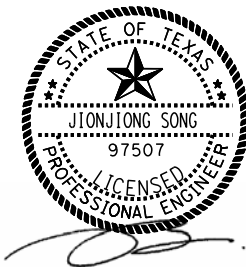
ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	W FRONTAGE RD STA	OFFSET	TYPE	WATT	STANDARD TYPE
M4	33+32.00	37.59' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
N4	33+79.76	3.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
N5	32+83.81	3.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
	SB EXIT RAMP STA				
G1	28+54.81	28.24' L	HPS	250	INS RD IL AM (TY SA) 40T-6 (.25KW) S

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	24
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	0
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	3
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX30 MODEL, 68W	EA	3
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX48 MODEL, 109W	EA	0
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	0
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	8
420 2013	CL C CONC (MISC)	CY	1.64
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	0
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	1
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	437
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	0
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	0
620 2011	ELEC CONDR (NO. 8) BARE	LF	1015
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	2030
624 2007	GROUND BOX TY A (122311)	EA	0
624 2008	GROUND BOX TY A (122311) W / APRON	EA	0
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	0

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.

SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
2	M	4	96			106	212	106	
2	N	6	96			106	212	106	
2	N	7	97			107	214	107	
5	G	1	107			696*	1392*	118	
TOTAL			396	0	0	1015	2030	437	0

*QUANTITY CONTAINS ADDITIONAL ALLOWANCE FOR REPLACEMENT OF THE EXISTING CONDUCTOR BETWEEN SERVICE No 5 AND THE EXISTING GROUND BOX AT WBFR STA 33+41.56, 50.42' L (IF CONDUCTOR IS IN POOR CONDITION OR OF A DIFFERENT SIZE).



01/18/2013

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				/ /
1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13
NO	REVISION	DRAWN	APPROVED	DATE
URS 9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230 TEL: 210.377.3764 FAX: 210.377.0622 WWW.URSCORP.COM		(FIRM # 3162)		
CITY OF SAN ANTONIO CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT				
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD ILLUMINATION LAYOUT STA 32+00 TO STA 34+20 TABLES				
SHEET 22 OF 26				
100% SUBMITTAL	PROJECT NO.: 40-00300	DATE: 1/16/2013		
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET NO.: 851	

DN: URS

CK: URS

DW: URS

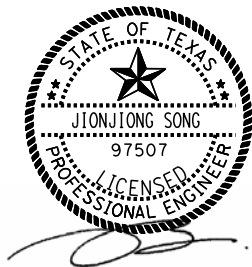
CK: URS

ROADWAY ILLUMINATION ASSEMBLY SHEET SUMMARY					
FIXT NO	W FRONTAGE RD STA	OFFSET	TYPE	WATT	STANDARD TYPE
M1	36+19.02	39.59' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
M2	35+24.01	38.35' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
M3	34+26.97	31.61' L	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
N2	35+71.83	3.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR
N3	34+75.75	3.75' R	LED	68	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM) WITH GREENSTAR

CONDUIT AND CONDUCTOR RUNS									
SERVICE	CIRCUIT	RUN NO	RUN LENGTH (FEET)	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	GROUND SIZE & LENGTH	CONDUCTOR SIZE & LENGTH	CONDUIT SIZE & LENGTH (FEET)	
				ELEC CONDR (NO. 6) BARE	ELEC CONDR (NO. 6) INSULATED	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	CONDT (PVC) (SCHD 40) (2")	CONDT (PVC) (SCHD 80) (2") (BORE)
2	M	2	96			106	212	106	
2	M	3	98			108	216	108	
2	N	3	86			95	190	95	
2	N	4	97			107	214	107	
2	N	5	96			106	212	106	
TOTAL			473	0	0	522	1044	522	0

SUMMARY OF ILLUMINATION QUANTITIES			
SHEET TOTALS			
ITEM NO	DESCRIPTION	UNITS	SHEET TOTAL
COSA ITEMS			
308.1	DRILL SHAFT FOUNDATION FOR VALMONT STREET LIGHT ASSEMBLY (30 IN DIAM)	LF	40
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS PEDESTRIAN LIGHT (18 IN DIAM)	LF	0
308.1	DRILL SHAFT FOUNDATION FOR LANDSCAPEFORMS BOLLARD LIGHT (18 IN DIAM)	LF	0
9010	INS VALMONT 26 FT 2 IN TAVERN GREEN STREET LIGHT ASSEMBLY (INCLUDES POLE, BASE, AND ARM)	EA	5
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX30 MODEL, 68W	EA	5
9011	INS GREENSTAR LED LUMINAIRE, GALAXY XD-- GLX48 MODEL, 109W	EA	0
9012	INS LANDSCAPEFORMS 12 FT METALLIC BRONZE ALCOTT PEDESTRIAN LIGHT	EA	0
9013	INS LANDSCAPEFORMS 3 FT 1 IN METALLIC BRONZE HAWTHORN BOLLARD LIGHT	EA	0
TXDOT ITEMS			
416 2029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	0
420 2013	CL C CONC (MISC)	CY	1.64
610 XXXX	INS RD IL AM (TY SA) 40S - 6 (.25 KW) S	EA	0
610 XXXX	INS RD IL AM (TY SA) 40T - 6 (.25 KW) S	EA	0
618 2018	CONDT (PVC) (SCHD 40) (2")	LF	522
618 2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	0
620 2009	ELEC CONDR (NO. 6) BARE	LF	0
620 2010	ELEC CONDR (NO. 6) INSULATED	LF	0
620 2011	ELEC CONDR (NO. 8) BARE	LF	522
620 2012	ELEC CONDR (NO. 8) INSULATED	LF	1044
624 2007	GROUND BOX TY A (122311)	EA	0
624 2008	GROUND BOX TY A (122311) W / APRON	EA	0
628 2101	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U)	EA	0
XXXX	JUNCTION BOX*	EA	0

* FOR CONTRACTOR INFORMATION ONLY. ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS.



				1	1	1
1	UPDATED ITEM No. 9010 - 9013 (ADD. 2)	J.M.	J.S.	1/18/13		
NO	REVISION	DRAWN	APPROVED	DATE		
URS		9901 IH10 WEST, SUITE 350 SAN ANTONIO, TEXAS 78230		(FIRM # 3162)		
TEL: 210.377.3764		FAX: 210.377.0622		WWW.URSCORP.COM		
CITY OF SAN ANTONIO						
CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT						
MARKET STREET REALIGNMENT WEST FRONTAGE ROAD ILLUMINATION LAYOUT STA 34+20 TO STA 36+40 TABLES						
SHEET 24 OF 26						
100% SUBMITTAL		PROJECT NO.:		40-00300		DATE: 1/16/2013
DRWN. BY:		DSGN. BY:		CHKD. BY:		SHEET NO.: 853